

MERENTUTKIMUSLAITOKSEN JULKAISU No. 212
HAVSFORSKNINGSINSTITUTETS SKRIFT

TEMPERATURE AND SALINITY AT
THE FIXED FINNISH STATIONS
1961



HELSINKI 1964 HELSINGFORS

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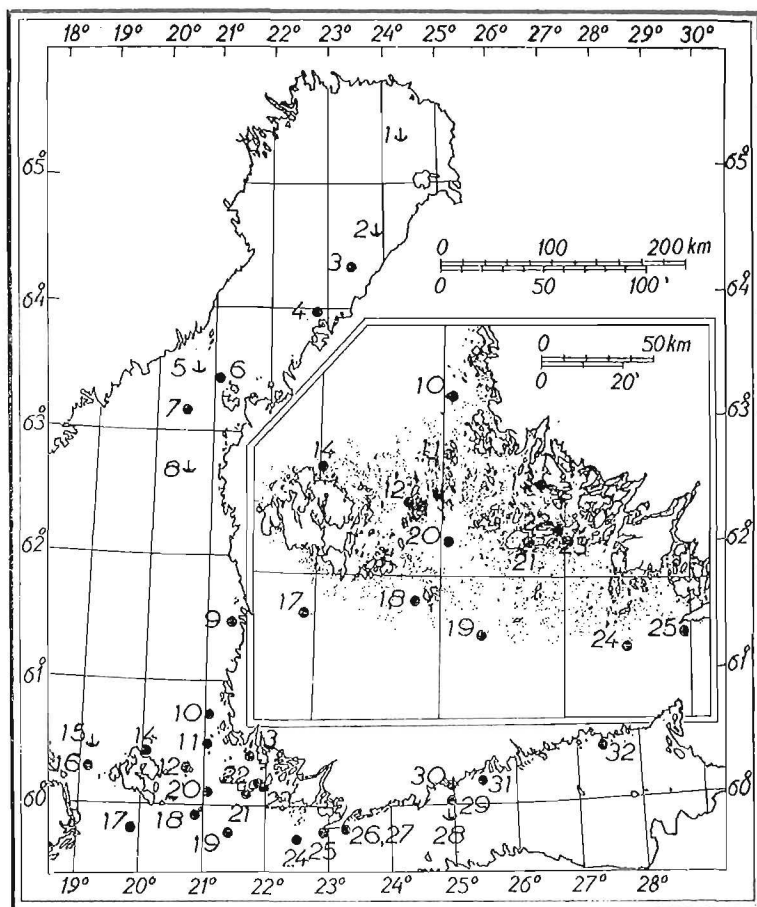
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Map of the Stations

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The Stations

The previous publication, Merentutkimuslaitoksen julkaisu — Havsforskningsinstitutets skrift No. 210 (1963), contained the regular observations of temperature and salinity at the fixed Finnish stations up to dec. 31, 1960. During the period in this publication the following changes in the station net took place: At the end of 1959 the lightship Snipan was discontinued, and the observations at Lågskär had to be concluded in June 1960.

All stations were inspected during the summer cruises with M/S Aranda.

The Working Program

The working program at the stations has in the main remained unchanged, and has been as follows:

Measurement of surface temperature at the shore and at the lightship 1—3 times daily, generally at 8, 14 and 20^h. At Kaivopuisto/Brunnsparken (Helsinki harbor) a daily sample for salinity determination was taken also.

Collection of surface samples for salinity determination at the shore and at the lightship six times monthly, generally on the 1st, 6th, 11th, 16th, 21st and 26th at 14^h.

Measurement of temperature and collection of water samples for salinity determination at a series of depths (0, 5, 10, 15, 20 m, etc.) at a fixed position of greatest possible depth in the sea close to the station and beneath the lightship 3 times a month, weather permitting, on the 1st, 11th and 21st at 14^h. At Tvärminne B the samples have been taken every 2.5 m.

The Tables

The surface observations and the observations in the depth for the same station will be found side by side in Table I.

All temperatures are in centigrade and corrected. Of the surface temperatures, only part of the three daily observations, i.e. those taken at 14^h, are published. Of the others, only the monthly means are given. The depth temperatures are given in extenso.

The annual means in Table II have been calculated directly from the monthly ones. In calculating the means some missing data have been interpolated.

The salinity was determined by titration with silver nitrate solution according to the method by Knudsen, and using Copenhagen Normal Water as the standard.

The monthly means have been calculated from all available material, i.e. if the number of surface observations exceeded the regular number of six a month, then the extra values have been included in the means, whereas missing data have not been interpolated.

The annual means have been calculated directly from the monthly ones.

The time given in this publication is Finnish Standard Time i.e. GMT + 2^h.

Folke Koroleff

TABLES

| SURFACE OBSERVATIONS AT Kemi, lightship 65°26' 30"N, 24°13'00"E Observer(s): Ship's officers Year: 1961 Temperature, 14 ^h | | | | | | | | | | | | |
|--|---|----|-----|----|------|-------|-------|-------|------|------|------|------|
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | | | | | | 11.0 | 12.2 | 17.7 | 12.7 | 9.2 | 8.0 | 3.9 |
| 2. | | | | | | 8.6 | 12.4 | 16.7 | 11.4 | 9.1 | 7.9 | 3.9 |
| 3. | | | | | | 8.1 | 13.7 | 16.9 | 11.9 | 9.5 | 7.9 | 3.2 |
| 4. | | | | | | 7.8 | 12.7 | 16.5 | 11.0 | 9.2 | 8.0 | 3.4 |
| 5. | | | | | | 7.8 | 13.3 | 16.8 | 10.6 | - | 8.0 | 3.1 |
| 6. | | | | | | 8.0 | 13.2 | 16.9 | 10.2 | 9.2 | 7.9 | 2.5 |
| 7. | | | | | | 8.5 | 13.0 | 16.4 | 9.4 | 9.2 | 7.7 | 3.0 |
| 8. | | | | | | 9.4 | 13.6 | 17.0 | 9.9 | 9.2 | 7.6 | 2.5 |
| 9. | | | | | | 11.9 | 13.6 | 17.2 | 9.7 | 9.2 | 7.5 | 2.3 |
| 10. | | | | | | 10.4 | 13.7 | 17.8 | 9.4 | 9.3 | 7.3 | 2.2 |
| 11. | | | | | | 7.6 | 14.6 | 17.0 | 9.7 | 9.3 | 7.1 | |
| 12. | | | | | | 8.9 | 14.8 | 17.5 | 7.7 | 9.2 | 6.5 | |
| 13. | | | | | | 15.9 | 16.1 | 16.8 | 8.1 | 9.3 | 6.3 | |
| 14. | | | | | | 10.0 | 16.2 | 17.2 | 8.1 | 9.1 | 6.3 | |
| 15. | | | | | | 9.8 | 17.5 | 17.2 | 8.9 | 9.1 | 6.2 | |
| 16. | | | | | | 8.2 | 17.7 | 16.8 | 8.5 | 9.0 | 5.1 | |
| 17. | | | | | | 8.9 | 18.4 | 16.2 | 8.4 | 8.9 | 5.6 | |
| 18. | | | | | | 7.2 | 18.6 | 15.8 | 8.5 | 8.9 | 4.3 | |
| 19. | | | | | | 8.1 | 19.7 | 15.1 | 8.6 | 8.8 | 4.5 | |
| 20. | | | | | | 8.6 | 20.4 | 11.2 | 9.0 | 8.8 | 4.6 | |
| 21. | | | | | | 11.2 | 19.6 | 12.0 | 9.0 | 8.8 | 4.0 | |
| 22. | | | | | | 11.4 | 18.1 | 11.6 | 8.8 | 8.8 | 3.6 | |
| 23. | | | | | | 11.1 | 19.1 | 10.9 | 8.9 | 8.6 | 3.6 | |
| 24. | | | | | | 11.5 | 18.8 | 11.3 | 9.3 | 8.5 | 3.5 | |
| 25. | | | | | 2.8 | 12.5 | 18.0 | 10.9 | 8.9 | 8.5 | 3.7 | |
| 26. | | | | | 2.4 | 14.3 | 17.6 | 13.5 | 8.9 | 8.4 | 4.0 | |
| 27. | | | | | 2.9 | 13.1 | 17.4 | 12.7 | 9.6 | 8.3 | 3.7 | |
| 28. | | | | | 3.4 | 11.3 | 16.5 | 12.0 | 9.6 | 8.3 | 4.6 | |
| 29. | | | | | 4.0 | 11.3 | 15.8 | 13.3 | 9.2 | 8.3 | 4.6 | |
| 30. | | | | | 4.9 | 10.7 | 16.6 | 13.2 | 9.1 | 8.3 | 4.2 | |
| 31. | | | | | 6.7 | | 16.6 | 13.6 | | 8.1 | | |
| M | | | | | | | | | | | | |
| 8 ^h | - | - | - | - | - | 9.49 | 15.68 | 14.73 | 9.34 | 8.87 | 5.81 | |
| 14 ^h | - | - | - | - | - | 10.10 | 16.11 | 15.02 | 9.43 | 8.89 | 5.79 | |
| 20 ^h | - | - | - | - | - | 10.15 | 16.42 | 15.11 | 9.35 | 8.86 | 5.75 | |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | | | | | | 2.68 | 2.30 | 2.39 | 2.68 | 3.30 | 3.55 | 3.59 |
| 6. | | | | | | 2.61 | 2.25 | 3.03 | 2.83 | 3.37 | 3.51 | 3.66 |
| 11. | | | | | | 2.90 | 2.18 | 2.67 | 2.94 | 3.42 | 3.59 | |
| 16. | | | | | | 2.99 | 2.38 | 2.77 | 3.17 | 3.22 | 3.60 | |
| 21. | | | | | | 3.28 | 2.54 | 2.54 | 3.04 | 3.22 | 3.30 | |
| 26. | | | | | 3.03 | 1.65 | 2.43 | 2.12 | 3.21 | 3.64 | 3.41 | |
| M | | | | | | | | | | | | |
| 14 ^h | | | | | | 2.68 | 2.35 | 2.59 | 2.98 | 3.36 | 3.49 | |

| SURFACE OBSERVATIONS AT Ulkokalla 64°19'55"N, 23°26'50"E Observer(s): A.A. Pirkola Year: 1961 Temperature, 14 ^h | | | | | | | | | | | | |
|--|------|------|------|------|------|------|-------|-------|------|------|------|------|
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 0.2 | 0.1 | 0.2 | 2.5 | 1.5 | 5.1 | 9.6 | 16.4 | 8.3 | 9.3 | 8.5 | 4.0 |
| 2. | 0.2 | -0.2 | 0.2 | 2.0 | 1.0 | 6.3 | 10.5 | 16.3 | 6.7 | 9.8 | 8.3 | 4.6 |
| 3. | 0.3 | -0.1 | 0.2 | 2.0 | 0.4 | 8.2 | 11.0 | 16.6 | 7.9 | 10.3 | 8.7 | 4.0 |
| 4. | 0.3 | 0.1 | 0.2 | 2.0 | 0.8 | 8.6 | 10.0 | 16.0 | 7.8 | 10.1 | 8.6 | 3.5 |
| 5. | 0.2 | -0.2 | 0.2 | 2.0 | 0.9 | 9.2 | 10.8 | 16.6 | 7.7 | 9.7 | 8.2 | 2.7 |
| 6. | 0.2 | 0.1 | 0.2 | 0.0 | 1.2 | 8.4 | 11.7 | 16.3 | 8.6 | 10.2 | 7.9 | 4.1 |
| 7. | 0.2 | 0.1 | 0.1 | 0.0 | 0.8 | 9.5 | 11.8 | 16.1 | 8.8 | 9.6 | 8.0 | 3.7 |
| 8. | 0.2 | 0.1 | 0.1 | 0.0 | 1.2 | 9.0 | 12.8 | 15.9 | 9.1 | 9.8 | 7.4 | 3.7 |
| 9. | 0.1 | 0.1 | 0.3 | 1.0 | 1.0 | 9.2 | 12.5 | 16.3 | 8.3 | 9.3 | 7.2 | 2.4 |
| 10. | 0.2 | 0.1 | 0.3 | 0.1 | 1.4 | 10.8 | 12.2 | 16.5 | 8.8 | 10.0 | 7.0 | 3.2 |
| 11. | 0.2 | 0.1 | 0.4 | 0.2 | 1.3 | 7.2 | 12.5 | 15.8 | 9.0 | 10.3 | 6.5 | 1.9 |
| 12. | 0.2 | 0.1 | 0.5 | 0.2 | 1.5 | 8.2 | 13.9 | 16.1 | 9.0 | 10.0 | 5.4 | 2.5 |
| 13. | 0.2 | 0.1 | 0.3 | 0.2 | 1.6 | 11.0 | 14.5 | 16.7 | 8.9 | 10.0 | 5.5 | 1.7 |
| 14. | 0.2 | 0.1 | 0.4 | 0.2 | 1.6 | 10.8 | 14.7 | 16.6 | 8.9 | 9.8 | 7.0 | 1.9 |
| 15. | 0.0 | 0.1 | 0.4 | 0.2 | 1.8 | 10.1 | 15.6 | 15.8 | 9.2 | 10.1 | 7.1 | 1.9 |
| 16. | 0.2 | 0.1 | 0.4 | 1.0 | 1.7 | 7.2 | 16.4 | 16.4 | 9.4 | 9.5 | 6.6 | 2.4 |
| 17. | 0.2 | 0.1 | 0.4 | 0.6 | 2.0 | 7.0 | 16.8 | 16.3 | 9.0 | 9.3 | 6.0 | 2.3 |
| 18. | 0.2 | 0.1 | 0.2 | 0.9 | 1.8 | 8.6 | 17.8 | 13.8 | 9.4 | 9.8 | 5.8 | 2.2 |
| 19. | 0.2 | 0.1 | 0.3 | 0.8 | 2.6 | 8.5 | 19.4 | 12.3 | 8.7 | 9.6 | 5.8 | 2.5 |
| 20. | 0.2 | 0.1 | 0.2 | 0.2 | 2.1 | 7.4 | 16.3 | 6.7 | 10.2 | 9.0 | 5.8 | 2.4 |
| 21. | 0.2 | 0.1 | 0.2 | 0.4 | 2.6 | 7.2 | 17.3 | 7.2 | 9.4 | 9.0 | 5.7 | 1.5 |
| 22. | 0.2 | 0.1 | 0.2 | 0.7 | 4.0 | 8.3 | 16.4 | 8.3 | 9.6 | 9.2 | 5.5 | 0.2 |
| 23. | 0.2 | 0.2 | 0.2 | 0.7 | 3.8 | 8.5 | 17.5 | 8.3 | 10.0 | 8.6 | 5.1 | 1.5 |
| 24. | 0.2 | 0.1 | 0.2 | 0.3 | 5.2 | 9.4 | 17.3 | 8.9 | 10.6 | 9.0 | 5.3 | 1.5 |
| 25. | 0.0 | 0.1 | 0.2 | 0.6 | 3.6 | 9.3 | 15.5 | 9.8 | 10.1 | 9.1 | 5.2 | 1.0 |
| 26. | 0.1 | 0.1 | 0.2 | 0.6 | 2.7 | 9.2 | 15.3 | 10.2 | 9.8 | 9.1 | 5.3 | 0.0 |
| 27. | 0.1 | 0.2 | 0.2 | 0.7 | 3.4 | 9.5 | 15.1 | 10.7 | 9.9 | 9.2 | 5.2 | 0.5 |
| 28. | 0.1 | 0.1 | 0.2 | 0.7 | 3.7 | 8.8 | 15.7 | 8.4 | 10.1 | 9.3 | 5.3 | 0.5 |
| 29. | 0.1 | | 0.2 | 1.0 | 3.6 | 8.0 | 16.0 | 9.2 | 9.6 | 9.1 | 4.2 | -0.1 |
| 30. | -0.1 | | 0.2 | 1.5 | 3.3 | 8.2 | 15.2 | 10.3 | 9.2 | 9.0 | 4.3 | 0.1 |
| 31. | -0.1 | | 0.2 | | 4.8 | | 16.5 | 9.0 | | 8.3 | | -0.1 |
| 8 ^h | - | - | - | - | - | 7.92 | 13.82 | 12.75 | 8.55 | 9.38 | - | - |
| 14 ^h | 0.16 | 0.08 | 0.25 | 0.78 | 2.22 | 8.56 | 14.47 | 13.22 | 9.07 | 9.49 | 6.41 | 2.07 |
| 20 ^h | - | - | - | - | - | 8.60 | 14.46 | 12.99 | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 3.71 | 3.84 | 2.21 | 3.87 | 0.97 | 3.62 | 3.73 | 3.73 | 3.86 | 3.66 | 3.62 | 3.57 |
| 6. | 3.69 | 3.87 | 3.64 | 3.91 | 0.79 | 3.64 | 3.71 | 3.71 | 3.86 | 3.57 | 3.68 | 3.84 |
| 11. | 4.00 | 3.84 | 3.66 | 3.86 | 0.25 | 3.66 | 3.73 | 3.69 | 3.75 | 3.62 | 3.68 | 3.84 |
| 16. | 3.86 | 3.86 | 3.62 | 1.96 | 0.52 | 3.69 | 3.68 | 3.73 | 3.84 | 3.64 | 3.77 | 3.82 |
| 21. | 3.80 | 3.19 | 3.98 | 3.22 | 1.62 | 3.73 | 3.69 | 3.80 | 3.82 | 3.60 | 3.77 | 3.80 |
| 26. | 3.86 | 3.78 | 3.89 | 1.35 | 3.78 | 3.71 | 3.71 | 3.80 | 3.71 | 3.62 | 3.84 | 3.86 |
| 14 ^h | 3.82 | 3.73 | 3.50 | 3.03 | 1.32 | 3.68 | 3.71 | 3.74 | 3.81 | 3.62 | 3.73 | 3.79 |

OBSERVATIONS IN THE DEPTH AT Ulkokalla
64°19'55"N, 23°27'00"E

| m | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo |
|----|----------|----------|----------|----------|-----------|-----------|-----------|-----------|----------|----------|
| | 1961 | | | | | | | | | |
| | Jun. 2 | Jun. 11 | Jun. 21 | Jul. 1 | Jul. 11 | Jul. 21 | Aug. 1 | Aug. 11 | Aug. 22 | |
| 0 | 4.8 3.64 | 7.0 3.66 | 7.1 3.75 | 9.5 3.73 | 12.0 3.71 | 16.2 3.69 | 16.4 3.71 | 15.6 3.71 | 8.6 3.78 | |
| 5 | 4.1 3.66 | 5.4 3.68 | 6.1 3.75 | 8.8 3.73 | 9.0 3.71 | 14.2 3.69 | 16.0 3.71 | 15.4 3.71 | 8.2 3.78 | |
| 10 | 3.8 3.66 | 4.4 3.69 | 5.8 3.75 | 8.4 3.73 | 8.7 3.73 | 9.0 3.73 | 15.6 3.73 | 15.3 3.71 | 6.2 3.82 | |
| | Sep. 5 | Sep. 11 | Sep. 21 | Oct. 1 | Oct. 11 | Oct. 21 | Nov. 1 | Nov. 12 | Nov. 25 | |
| 0 | 7.7 3.86 | 8.8 3.73 | 9.1 3.80 | 9.0 3.64 | 10.1 3.64 | 9.6 3.60 | 8.7 3.64 | 6.7 3.66 | 5.1 3.80 | |
| 5 | 7.8 3.87 | 8.5 3.73 | 8.8 3.80 | 9.4 3.64 | 9.9 3.64 | 9.6 3.60 | 8.7 3.62 | 6.4 3.64 | 5.4 3.80 | |
| 10 | 7.6 3.87 | 7.6 3.82 | 8.4 3.80 | 9.7 3.64 | 9.6 3.64 | 9.5 3.62 | 8.8 3.64 | 6.4 3.64 | 5.6 3.82 | |

| SURFACE OBSERVATIONS AT Tankar 63°57'03"N, 22°51'03"E | | | | | | | | | | | | |
|--|-------|-------|------|------|------|-------|-------|-------|-------|------|------|------|
| Observer(s): A.A. Kartimo | | | | | | | | | | | | |
| Year: 1961 | | | | | | | | | | | | |
| Temperature, 14 ^h | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | -0.2 | -0.2 | 0.0 | -0.2 | 2.0 | 7.5 | 11.8 | 16.3 | 12.7 | 10.6 | 7.6 | 2.5 |
| 2. | -0.2 | -0.2 | 0.0 | -0.2 | 1.2 | 9.9 | 12.0 | 16.2 | 12.2 | 10.5 | 7.0 | 2.3 |
| 3. | -0.2 | -0.2 | 0.0 | -0.2 | 1.0 | 10.4 | 12.9 | 17.6 | 11.2 | 10.4 | 7.1 | 1.2 |
| 4. | -0.2 | -0.2 | 0.1 | -0.2 | 1.3 | 8.3 | 13.4 | 16.4 | 11.0 | 10.3 | 7.3 | 0.5 |
| 5. | -0.2 | -0.2 | 0.1 | -0.2 | 1.4 | 11.5 | 13.6 | 16.2 | 10.0 | 10.4 | 6.5 | 0.6 |
| 6. | -0.2 | -0.2 | 0.1 | -0.1 | 1.2 | 12.5 | 13.7 | 16.0 | 10.6 | 10.3 | 7.3 | 1.2 |
| 7. | -0.2 | -0.2 | 0.1 | -0.1 | 1.4 | 11.1 | 12.0 | 16.2 | 11.5 | 9.9 | 6.0 | 0.8 |
| 8. | -0.2 | -0.2 | 0.1 | -0.1 | 2.3 | 12.3 | 13.4 | 16.1 | 10.6 | 10.1 | 5.9 | 0.5 |
| 9. | -0.2 | -0.2 | 0.1 | -0.1 | 2.5 | 13.0 | 15.1 | 17.6 | 10.5 | 9.9 | 6.1 | 0.6 |
| 10. | -0.2 | -0.2 | 0.1 | -0.1 | 2.6 | 12.0 | 13.2 | 17.4 | 10.7 | 9.7 | 5.7 | 1.2 |
| 11. | -0.2 | -0.2 | 0.1 | -0.2 | 2.5 | 12.8 | 13.0 | 16.3 | 11.3 | 9.3 | 5.1 | 0.9 |
| 12. | -0.2 | -0.2 | 0.1 | -0.2 | 2.6 | 13.8 | 15.4 | 16.4 | 10.6 | 9.7 | 5.0 | 0.2 |
| 13. | -0.2 | -0.2 | 0.1 | -0.2 | 2.5 | 15.2 | 16.2 | 16.8 | 10.2 | 9.6 | 3.4 | -0.2 |
| 14. | -0.2 | -0.1 | 0.1 | -0.1 | 2.3 | 13.4 | 16.2 | 17.5 | 10.6 | 9.5 | 4.4 | -0.2 |
| 15. | -0.2 | -0.1 | -0.2 | 0.1 | 2.5 | 12.8 | 15.7 | 18.0 | 10.3 | 9.3 | 5.5 | -0.2 |
| 16. | -0.2 | -0.1 | -0.2 | 0.1 | 3.2 | 11.3 | 16.2 | 17.2 | 10.5 | 8.9 | 5.0 | 0.3 |
| 17. | -0.2 | -0.1 | -0.2 | 0.1 | 3.8 | 11.8 | 17.5 | 16.5 | 10.5 | 9.1 | 5.0 | 1.6 |
| 18. | -0.2 | -0.1 | -0.2 | 0.1 | 4.7 | 7.2 | 18.6 | 14.8 | 10.5 | 9.0 | 4.5 | 1.0 |
| 19. | -0.2 | -0.2 | -0.2 | 0.1 | 4.9 | 5.9 | 22.2 | 10.6 | 11.0 | 9.3 | 5.0 | 0.8 |
| 20. | -0.2 | -0.1 | -0.2 | 0.1 | 2.3 | 8.2 | 16.5 | 8.4 | 10.4 | 9.4 | 4.6 | 0.8 |
| 21. | -0.2 | 0.0 | -0.2 | 0.1 | 4.2 | 7.3 | 18.0 | 8.3 | 11.0 | 9.1 | 4.5 | -0.2 |
| 22. | -0.2 | 0.0 | -0.1 | 0.2 | 4.2 | 7.9 | 17.6 | 8.7 | 10.8 | 8.8 | 4.5 | -0.2 |
| 23. | -0.2 | 0.1 | -0.2 | 0.3 | 4.9 | 9.6 | 17.7 | 8.6 | 11.2 | 8.4 | 3.7 | -0.2 |
| 24. | -0.2 | 0.0 | -0.2 | 0.4 | 5.2 | 10.9 | 15.8 | 8.6 | 10.5 | 7.2 | 3.8 | -0.2 |
| 25. | -0.2 | 0.- | -0.2 | 0.5 | 5.6 | 9.8 | 15.0 | 10.1 | 10.7 | 8.4 | 3.9 | -0.2 |
| 26. | -0.2 | 0.0 | -0.2 | 0.6 | 6.1 | 10.7 | 15.5 | 10.3 | 11.0 | 8.3 | 3.7 | -0.2 |
| 27. | -0.2 | 0.0 | -0.2 | 0.7 | 6.2 | 10.9 | 15.5 | 10.1 | 10.7 | 8.3 | 3.7 | -0.2 |
| 28. | -0.2 | 0.1 | -0.2 | 0.9 | 5.8 | 11.1 | 15.6 | 10.8 | 10.7 | 8.3 | 3.1 | -0.2 |
| 29. | -0.2 | | -0.2 | 1.0 | 6.5 | 11.4 | 16.6 | 11.3 | 10.6 | 8.3 | 2.9 | |
| 30. | -0.2 | | -0.2 | 1.2 | 6.7 | 11.6 | 16.6 | 12.2 | 10.1 | 8.1 | 2.6 | |
| 31. | -0.2 | | -0.2 | | 6.7 | | 17.4 | 12.3 | | 7.1 | | |
| M 8 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 ^h | -0.20 | -0.11 | 0.07 | 0.14 | 3.56 | 10.77 | 15.48 | 13.87 | 10.80 | 9.21 | 5.01 | 0.41 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 3.86 | 3.89 | 0.73 | 3.80 | 0.66 | 3.51 | 3.82 | 3.73 | 3.73 | 3.59 | 3.51 | 3.75 |
| 6. | 3.86 | 3.91 | 1.31 | 3.75 | 2.72 | 3.64 | 3.78 | 3.71 | 3.78 | 3.57 | 3.68 | 3.75 |
| 11. | 3.78 | 3.91 | 3.69 | 3.75 | 3.37 | 3.64 | 3.78 | 3.71 | 3.77 | 3.57 | 3.60 | 3.75 |
| 16. | 3.82 | 3.80 | - | 1.00 | 3.10 | 3.64 | 3.71 | 3.66 | 3.62 | 3.41 | 3.75 | 3.69 |
| 21. | 3.84 | 3.33 | 3.87 | 2.03 | 3.10 | 3.80 | 3.71 | 3.82 | 3.62 | 3.53 | 3.78 | 3.89 |
| 26. | 3.84 | 3.53 | 3.84 | 0.99 | 3.78 | 3.80 | 3.78 | 3.80 | 3.62 | 3.59 | 3.77 | 3.86 |
| M 14 ^h | 3.83 | 3.73 | 2.79 | 2.55 | 2.79 | 3.67 | 3.76 | 3.74 | 3.69 | 3.54 | 3.68 | 3.78 |

OBSERVATIONS IN THE DEPTH AT Tankar
63°57'10"N, 22°51'30"E

| m | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ |
|----|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| | 1961 | | | | | | | | |
| | Jun. 1 | Jun. 11 | Jun. 21 | Feb. 1 | Feb. 11 | Feb. 21 | Mar. 1 | Mar. 11 | Mar. 21 |
| 0 | -0.2 3.86 | -0.2 3.75 | -0.2 3.78 | -0.2 3.87 | -0.2 3.91 | 0.0 3.82 | 0.1 3.59 | 0.1 3.84 | -0.2 3.86 |
| 5 | -0.3 3.86 | -0.2 3.77 | 0.1 3.86 | -0.2 3.89 | -0.1 3.93 | 0.3 3.87 | 0.0 3.80 | -0.1 3.86 | -0.2 3.84 |
| 10 | 0.3 3.86 | 0.2 3.77 | 0.4 3.89 | 0.1 3.89 | -0.1 3.96 | 0.2 3.87 | 0.0 3.82 | -0.2 3.86 | -0.2 3.86 |
| 15 | 0.4 3.86 | 0.2 3.80 | 0.3 3.89 | 0.1 3.87 | -0.1 3.96 | 0.0 3.87 | -0.1 3.84 | 0.2 3.87 | 0.0 3.86 |
| | Apr. 1 | Apr. 11 | Apr. 21 | May 1 | May 11 | May 21 | Jun. 1 | Jun. 11 | Jun. 21 |
| 0 | -0.2 3.84 | -0.0 3.69 | 0.1 3.53 | 1.0 0.63 | 2.1 3.59 | 3.33 | 7.5 3.53 | 12.8 3.89 | 7.2 3.78 |
| 5 | -0.2 3.89 | -0.2 3.80 | 0.4 3.77 | 0.6 0.73 | 1.6 3.59 | 3.80 | 7.5 3.53 | 11.8 3.89 | 7.4 3.80 |
| 10 | -0.1 4.00 | -0.1 3.93 | 0.2 3.64 | 0.5 0.77 | 1.2 3.60 | 3.50 | 4.3 3.55 | 10.4 3.89 | 6.4 3.82 |
| 15 | -0.1 3.86 | -0.2 3.84 | 0.2 3.71 | 0.4 0.77 | 1.9 3.84 | 3.98 | 3.5 3.93 | 8.2 3.89 | 6.3 3.84 |
| | Jul. 1 | Jul. 11 | Jul. 21 | Aug. 1 | Aug. 11 | Aug. 21 | Sep. 1 | Sep. 11 | Sep. 21 |
| 0 | 12.2 3.80 | 13.4 3.78 | 16.8 3.73 | 15.8 3.71 | 16.2 3.68 | 8.3 3.82 | 11.9 3.73 | 11.4 3.77 | 10.6 3.62 |
| 5 | 11.4 3.82 | 14.0 3.78 | 16.8 3.73 | 15.6 3.71 | 16.2 3.68 | 8.5 3.82 | 11.9 3.73 | 10.5 3.77 | 10.5 3.62 |
| 10 | 10.9 3.82 | 12.5 3.80 | 15.5 3.75 | 15.5 3.71 | 16.0 3.68 | 8.2 3.82 | 11.1 3.75 | 10.5 3.77 | 10.6 3.62 |
| 15 | 10.8 3.82 | 11.7 3.80 | 15.6 3.80 | 11.9 3.80 | 16.0 3.68 | 8.1 3.84 | 10.9 3.84 | 10.4 3.78 | 10.5 3.64 |
| | Oct. 1 | Oct. 11 | Oct. 21 | Nov. 1 | Nov. 11 | Nov. 23 | Dec. 1 | Dec. 11 | |
| 0 | 10.3 3.57 | 9.5 3.57 | 9.4 3.53 | 7.6 3.53 | 3.60 | 4.0 3.82 | 2.7 3.77 | 0.9 3.77 | |
| 5 | 11.3 3.59 | 9.4 3.57 | 9.2 3.53 | 6.6 3.53 | 3.68 | 3.5 3.82 | 2.2 3.77 | 0.7 3.77 | |
| 10 | 10.2 3.59 | 9.4 3.57 | 9.2 3.53 | 6.3 3.60 | 3.60 | 3.8 3.82 | 2.2 3.78 | 0.6 3.77 | |
| 15 | 10.1 3.59 | 9.3 3.57 | 9.1 3.55 | 7.2 3.55 | 3.78 | 4.1 3.82 | 2.8 3.78 | 0.8 3.77 | |

| SURFACE OBSERVATIONS AT Valassaaret / Valsöbrarna 63°25'17"N, 21°04'05"E | | | | | | | | | | | | |
|---|-------|-------|------|------|------|-------|-------|-------|-------|------|------|------|
| Observer(s): K.E. Nykvist | | | | | | | | | | | | |
| Year: 1961 | | | | | | | | | | | | |
| Temperature, 14 ^h | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | -0.2 | -0.3 | 0.0 | 0.4 | 5.4 | 9.5 | 15.7 | 17.4 | 13.6 | 11.2 | 7.2 | 2.2 |
| 2. | -0.2 | -0.3 | 0.0 | 0.5 | 6.5 | 11.5 | 15.8 | 17.2 | 13.5 | 11.5 | 6.3 | 1.8 |
| 3. | -0.2 | -0.3 | 0.0 | 0.4 | 7.8 | 11.6 | 14.0 | 17.6 | 12.6 | 11.2 | 7.5 | 1.2 |
| 4. | -0.2 | -0.3 | 0.0 | 0.6 | 7.0 | 14.7 | 15.0 | 17.4 | 12.2 | 11.2 | 7.3 | 0.5 |
| 5. | -0.2 | -0.3 | 0.0 | 0.7 | 6.4 | 15.5 | 14.9 | 16.1 | 12.4 | 10.4 | 6.4 | -0.5 |
| 6. | -0.2 | -0.3 | 0.1 | 1.5 | 6.0 | 15.4 | 14.6 | 15.5 | 12.7 | 10.6 | 5.7 | 0.9 |
| 7. | -0.2 | -0.3 | 0.1 | 2.4 | 5.3 | 15.3 | 14.8 | 17.2 | 12.2 | 10.2 | 6.0 | 0.4 |
| 8. | -0.2 | -0.3 | 0.0 | 2.0 | 6.3 | 17.3 | 15.2 | 17.7 | 12.5 | 10.4 | 5.2 | 0.1 |
| 9. | -0.3 | -0.3 | 0.1 | 2.2 | 5.3 | 15.8 | 15.5 | 18.2 | 12.0 | 9.7 | 6.2 | 0.0 |
| 10. | -0.3 | -0.3 | 0.2 | 1.8 | 5.3 | 15.7 | 15.3 | 18.1 | 11.6 | 9.7 | 5.2 | 0.4 |
| 11. | -0.3 | -0.3 | 0.2 | 1.7 | 5.6 | 15.7 | 17.8 | 17.6 | 11.8 | 10.4 | 4.2 | -0.1 |
| 12. | -0.3 | -0.3 | 0.1 | 1.6 | 5.1 | 15.0 | 17.3 | 17.5 | 11.8 | 10.6 | 3.5 | -0.2 |
| 13. | -0.3 | -0.3 | 0.0 | 3.7 | 5.2 | 14.9 | 17.8 | 17.0 | 11.8 | 9.6 | 2.8 | -0.2 |
| 14. | -0.3 | -0.3 | -0.1 | 1.9 | 5.3 | 15.7 | 17.4 | 17.0 | 11.2 | 9.8 | 3.8 | -0.2 |
| 15. | -0.3 | -0.3 | -0.1 | 2.4 | 6.2 | 14.9 | 16.4 | 17.2 | 10.7 | 9.6 | 4.6 | -0.2 |
| 16. | -0.3 | -0.3 | 0.1 | 3.4 | 6.1 | 14.5 | 15.8 | 17.6 | 11.6 | 9.2 | 4.6 | -0.2 |
| 17. | -0.3 | -0.3 | -0.1 | 4.7 | 10.5 | 14.7 | 18.3 | 16.8 | 11.8 | 9.3 | 3.5 | -0.1 |
| 18. | -0.3 | -0.3 | -0.1 | 4.7 | 8.2 | 12.3 | 18.3 | 15.1 | 11.5 | 9.2 | 2.9 | -0.1 |
| 19. | -0.3 | -0.3 | -0.1 | 3.6 | 8.2 | 12.8 | 18.8 | 13.5 | 10.8 | 9.2 | 2.2 | -0.2 |
| 20. | -0.3 | -0.3 | -0.1 | 3.5 | 8.5 | 12.9 | 19.1 | 12.5 | 12.0 | 9.0 | 3.0 | -0.2 |
| 21. | -0.3 | -0.3 | -0.1 | 3.7 | 8.3 | 13.9 | 18.1 | 12.6 | 11.1 | 9.1 | 4.2 | -0.2 |
| 22. | -0.3 | -0.2 | 0.1 | 5.5 | 9.8 | 14.2 | 16.3 | 12.7 | 11.5 | 8.8 | 4.7 | -0.2 |
| 23. | -0.3 | -0.2 | 0.2 | 4.3 | 11.1 | 13.0 | 16.4 | 13.5 | 11.8 | 9.0 | 4.2 | -0.2 |
| 24. | -0.3 | -0.2 | 0.2 | 4.3 | 9.7 | 13.2 | 16.5 | 13.4 | 11.3 | 8.3 | 4.1 | -0.2 |
| 25. | -0.3 | -0.2 | 0.4 | 6.6 | 9.4 | 13.9 | 16.6 | 13.1 | 10.8 | 8.3 | 4.2 | -0.2 |
| 26. | -0.3 | -0.1 | 0.3 | 7.4 | 10.0 | 15.4 | 16.7 | 14.0 | 11.0 | 8.3 | 4.1 | -0.3 |
| 27. | -0.3 | -0.1 | 0.4 | 5.9 | 8.2 | 14.8 | 15.6 | 13.4 | 11.3 | 8.2 | 3.2 | -0.2 |
| 28. | -0.3 | -0.1 | 0.6 | 4.6 | 7.8 | 13.7 | 15.4 | 12.5 | 10.6 | 8.3 | 2.3 | -0.2 |
| 29. | -0.3 | | 0.4 | 5.2 | 7.5 | 14.6 | 17.2 | 13.6 | 10.8 | 8.6 | 1.5 | -0.3 |
| 30. | -0.3 | | 0.7 | 5.4 | 8.4 | 13.5 | 17.5 | 14.6 | 10.5 | 8.5 | 2.5 | -0.3 |
| 31. | -0.3 | | 0.6 | | 8.7 | | 18.4 | 14.0 | | 7.4 | | -0.3 |
| M 8 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 ^h | -0.27 | -0.26 | 0.13 | 3.22 | 7.39 | 14.19 | 16.53 | 15.54 | 11.70 | 9.51 | 4.44 | 0.09 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 4.70 | 4.76 | 4.99 | 4.69 | 4.22 | 4.31 | 5.12 | 5.39 | 4.49 | 5.12 | 4.90 | 4.92 |
| 6. | 4.36 | 4.54 | 5.28 | 4.81 | 4.29 | 4.31 | 4.63 | 5.48 | 4.02 | 5.55 | 5.32 | 4.94 |
| 11. | 4.52 | 4.54 | 4.56 | 4.60 | 4.25 | 4.60 | 4.87 | 5.59 | 4.11 | 4.99 | 5.16 | 5.08 |
| 16. | 5.43 | 4.74 | 4.67 | 4.34 | 4.31 | 4.52 | 4.63 | 4.69 | 4.06 | 4.34 | 5.45 | 4.99 |
| 21. | 4.74 | 4.18 | 4.54 | 4.34 | 4.25 | 4.78 | 4.85 | 4.61 | 4.56 | 4.34 | 4.65 | 4.65 |
| 26. | 4.72 | 5.25 | 4.76 | 4.25 | 4.42 | 5.10 | 5.26 | 4.24 | 4.76 | 4.61 | 5.01 | 4.06 |
| M 14 ^h | 4.74 | 4.67 | 4.80 | 4.50 | 4.29 | 4.60 | 4.89 | 5.00 | 4.33 | 4.82 | 5.08 | 4.77 |

OBSERVATIONS IN THE DEPTH AT Valassaaaret - Valsöbrarna
63°25'17"N, 21°04'05"E

| m | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1961 | | | | | | | | |
| | Jun. 1 | Jun. 11 | Jun. 21 | Feb. 1 | Feb. 11 | Feb. 21 | Mar. 1 | Mar. 12 | Apr. 1 |
| 0 | -0.2 4.83 | -0.3 4.92 | -0.3 4.85 | -0.3 4.74 | -0.3 4.83 | -0.3 4.67 | 0.0 4.96 | 0.4 5.28 | 0.0 4.60 |
| 5 | -0.2 4.83 | -0.1 5.17 | -0.1 4.90 | 5.17 | -0.2 4.94 | -0.2 4.78 | 0.0 5.03 | 0.4 5.30 | 0.0 4.61 |
| 10 | -0.1 4.85 | -0.1 5.66 | -0.1 5.23 | 5.26 | -0.2 5.26 | -0.2 5.03 | 0.0 5.12 | 0.3 5.30 | 0.0 4.61 |
| | Apr. 11 | Apr. 21 | May 1 | May 11 | May 21 | Jun. 1 | Jun. 11 | Jun. 21 | Jul. 1 |
| 0 | 0.5 4.22 | 1.8 4.34 | 3.0 4.20 | 3.2 4.36 | 5.8 4.11 | 8.6 4.27 | 12.6 4.74 | 10.1 4.70 | 14.4 5.05 |
| 5 | 0.5 4.43 | 1.8 4.43 | 3.2 4.20 | 3.2 4.36 | 4.6 4.13 | 7.7 4.31 | 12.6 4.76 | 9.7 4.76 | 12.9 5.08 |
| 10 | 0.6 4.31 | 2.0 4.49 | 3.2 4.20 | 3.3 4.36 | 4.0 4.70 | 6.1 4.56 | 12.5 4.76 | 9.5 4.90 | 12.2 5.08 |
| | Jul. 11 | Jul. 21 | Aug. 1 | Aug. 11 | Aug. 21 | Sep. 1 | Sep. 11 | Sep. 21 | Oct. 1 |
| 0 | 15.0 4.98 | 15.9 4.80 | 16.3 5.28 | 16.4 5.57 | 12.7 4.43 | 12.9 4.43 | 11.8 4.13 | 10.7 4.45 | 10.7 5.17 |
| 5 | 14.0 5.08 | 15.4 4.90 | 16.3 5.28 | 16.4 5.59 | 12.7 4.56 | 12.8 4.45 | 11.6 4.15 | 10.8 4.45 | 10.7 5.16 |
| 10 | 13.8 5.12 | 15.2 5.01 | 16.3 4.60 | 16.5 5.59 | 12.7 5.28 | 12.1 4.70 | 11.4 4.22 | 10.8 4.45 | 10.8 5.19 |
| | Oct. 11 | Oct. 21 | Nov. 1 | Nov. 11 | Nov. 21 | Dec. 1 | Dec. 11 | Dec. 21 | |
| 0 | 10.3 5.61 | 9.7 4.52 | 8.1 4.81 | 6.4 5.10 | 5.5 4.72 | 3.8 4.80 | 1.6 5.16 | 0.5 4.11 | |
| 5 | 10.3 5.64 | 9.6 4.52 | 8.2 4.94 | 6.4 5.10 | 5.5 4.74 | 3.7 4.89 | 1.7 5.17 | 0.6 4.11 | |
| 10 | 10.3 5.68 | 9.5 4.54 | 8.0 5.28 | 6.3 5.16 | 5.5 4.76 | 3.6 4.92 | 1.8 5.21 | 0.4 4.09 | |

| SURFACE OBSERVATIONS AT Norrskär 63°14'09"N, 20°37'02"E | | | | | | | | | | | | |
|--|------|-------|------|------|------|-------|-------|-------|-------|-------|------|------|
| Observer(s): O. Sjöberg | | | | | | | | | | | | |
| Year: 1961 | | | | | | | | | | | | |
| Temperature, 14 ^h | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 0.3 | -0.3 | 0.6 | 1.2 | 2.7 | 10.6 | 13.6 | 16.8 | 13.1 | 11.2 | 7.9 | 3.6 |
| 2. | 0.2 | -0.3 | 0.7 | 1.1 | 2.4 | 8.8 | 13.2 | 16.2 | 13.3 | 11.4 | 8.7 | 3.2 |
| 3. | 0.2 | -0.3 | 0.7 | 0.8 | 2.2 | 10.0 | 12.8 | 16.0 | 13.0 | 11.4 | 7.2 | 2.5 |
| 4. | 0.5 | -0.3 | 0.5 | 1.3 | 2.6 | 11.4 | 13.0 | 15.2 | 12.1 | 11.0 | 6.8 | 2.5 |
| 5. | 0.3 | -0.3 | 0.6 | 1.5 | 7.6 | 12.0 | 13.8 | 14.7 | 12.6 | 10.8 | 8.1 | 1.5 |
| 6. | 0.3 | -0.3 | 0.6 | 1.8 | 5.1 | 11.7 | 13.9 | 15.8 | 12.3 | 10.6 | 8.3 | 1.8 |
| 7. | 0.5 | -0.1 | 0.5 | 2.0 | 5.2 | 11.3 | 14.4 | 15.7 | 12.2 | 10.6 | 8.6 | 2.2 |
| 8. | 0.3 | -0.2 | 0.6 | 2.2 | 4.5 | 12.0 | 13.5 | 15.9 | 13.2 | 10.6 | 7.9 | 3.0 |
| 9. | -0.3 | -0.2 | 0.7 | 1.8 | 4.2 | 12.8 | 14.0 | 17.1 | 12.5 | 10.3 | 7.6 | 2.3 |
| 10. | -0.3 | -0.3 | 0.8 | 1.7 | 4.7 | 11.7 | 14.7 | 16.1 | 12.4 | 10.6 | 7.6 | 1.9 |
| 11. | -0.4 | -0.2 | 0.9 | 2.0 | 3.8 | 12.3 | 16.2 | 16.7 | 12.7 | 10.7 | 7.5 | 0.4 |
| 12. | -0.3 | -0.2 | 0.8 | 2.4 | 4.0 | 12.4 | 15.5 | 16.2 | 12.3 | 10.4 | 6.6 | 0.3 |
| 13. | -0.1 | -0.3 | 0.5 | 2.5 | 4.6 | 12.4 | 16.3 | 16.5 | 12.1 | 10.5 | 7.1 | -0.1 |
| 14. | 0.3 | -0.3 | 0.4 | 2.5 | 5.9 | 15.0 | 16.7 | 17.0 | 11.1 | 9.8 | 7.3 | 1.6 |
| 15. | 0.4 | -0.2 | 0.5 | 2.5 | 8.6 | 14.2 | 16.4 | 17.6 | 11.4 | 10.3 | 7.5 | 2.7 |
| 16. | -0.2 | -0.2 | 0.5 | 2.6 | 8.5 | 12.8 | 16.3 | 17.6 | 12.3 | 9.5 | 7.3 | 4.3 |
| 17. | 0.1 | -0.2 | 0.6 | 2.6 | 8.1 | 12.7 | 18.8 | 16.8 | 12.2 | 9.5 | 6.0 | 4.4 |
| 18. | 0.2 | -0.1 | -0.2 | 2.7 | 9.1 | 12.2 | 18.8 | 14.5 | 10.6 | 9.9 | 4.2 | 2.8 |
| 19. | 0.2 | -0.1 | -0.2 | 2.5 | 8.8 | 12.8 | 19.8 | 13.7 | 11.3 | 10.0 | 3.9 | 2.6 |
| 20. | 0.2 | -0.1 | -0.1 | 2.5 | 10.1 | 10.8 | 18.2 | 13.2 | 11.3 | 10.1 | 5.4 | 1.5 |
| 21. | -0.1 | -0.1 | 0.3 | 2.7 | 9.2 | 12.4 | 17.9 | 10.0 | 11.0 | 9.8 | 6.1 | 0.0 |
| 22. | -0.3 | -0.1 | 0.3 | 3.2 | 7.7 | 12.5 | 16.6 | 12.2 | 11.0 | 9.6 | 5.9 | -0.1 |
| 23. | -0.3 | -0.1 | 0.4 | 2.4 | 9.1 | 11.7 | 16.4 | 13.8 | 11.5 | 9.8 | 5.6 | 0.8 |
| 24. | -0.3 | -0.1 | 0.3 | 5.6 | 6.7 | 10.8 | 15.6 | 14.0 | 10.9 | 9.7 | 5.5 | 1.5 |
| 25. | -0.4 | -0.1 | 0.4 | 4.4 | 6.8 | 11.9 | 15.4 | 13.4 | 10.5 | 9.8 | 5.4 | 0.6 |
| 26. | -0.3 | 0.1 | 0.5 | 4.3 | 8.6 | 12.8 | 15.3 | 14.8 | 10.3 | 9.7 | 5.1 | 0.2 |
| 27. | -0.2 | 0.2 | 0.8 | 2.7 | 7.8 | 14.2 | 14.8 | 14.5 | 10.8 | 9.8 | 4.0 | 0.8 |
| 28. | -0.1 | 0.2 | 0.8 | 2.0 | 7.8 | 10.8 | 15.2 | 13.6 | 10.6 | 9.8 | 3.6 | 1.8 |
| 29. | -0.1 | | 1.0 | 3.2 | 7.4 | 11.2 | 15.5 | 14.5 | 10.8 | 9.6 | 3.0 | 1.2 |
| 30. | -0.1 | | 1.0 | 3.4 | 9.6 | 12.1 | 15.7 | 14.7 | 10.0 | 9.6 | 4.5 | 1.8 |
| 31. | -0.2 | | 1.2 | | 10.4 | | 16.2 | 15.2 | | 9.3 | | 0.2 |
| M _{8^h} | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 ^h | 0.00 | -0.16 | 0.55 | 2.47 | 6.57 | 12.01 | 15.63 | 15.16 | 11.71 | 10.18 | 6.34 | 1.72 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 5.91 | 5.86 | 5.64 | 5.54 | 5.59 | 4.89 | 5.52 | 5.64 | 4.76 | 5.41 | 5.63 | 5.45 |
| 6. | 5.84 | 7.07 | 5.86 | 5.46 | 5.48 | 4.47 | 5.34 | 5.61 | 4.13 | 5.48 | 5.64 | 5.77 |
| 11. | 5.95 | 5.90 | - | 5.08 | 5.45 | 4.60 | 5.43 | 5.72 | 4.47 | 5.59 | 5.73 | 5.57 |
| 16. | 5.88 | 5.34 | 5.41 | 5.66 | 4.87 | 4.96 | 5.45 | 5.64 | 4.63 | 5.45 | 5.72 | 5.84 |
| 21. | 6.04 | 5.73 | 5.01 | 5.41 | 4.45 | 4.80 | 5.41 | 5.35 | 5.21 | 5.63 | 5.01 | 5.55 |
| 26. | 5.86 | 5.84 | 5.64 | 5.61 | 5.16 | 5.35 | 5.61 | 5.01 | 5.30 | 5.64 | 5.25 | 5.43 |
| M _{14^h} | 5.91 | 5.96 | 5.51 | 5.46 | 5.17 | 4.84 | 5.46 | 5.50 | 4.75 | 5.53 | 5.50 | 5.60 |

OBSERVATIONS IN THE DEPTH AT Norrskär
63°14'09"N, 20°37'02"E

| m | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| | 1961 | | | | | | | | | |
| | Apr. 22 | May 12 | May 23 | Jun. 2 | Jun. 14 | Jun. 25 | Jul. 2 | Jul. 15 | Jul. 21 | |
| 0 | 3.4 5.48 | 3.1 5.25 | 6.7 4.42 | 6.6 4.65 | 13.2 4.83 | 17.2 5.14 | 12.2 5.37 | 15.3 5.48 | 17.3 5.05 | |
| 5 | 3.3 5.52 | 3.0 5.23 | 4.8 4.45 | 5.3 4.72 | 9.8 5.03 | 10.0 5.45 | 11.8 5.41 | 14.8 5.48 | 16.2 5.12 | |
| 10 | 1.9 5.59 | 3.0 5.26 | 4.8 5.16 | 4.1 4.80 | 6.1 5.32 | 9.2 5.61 | 11.2 5.50 | 11.2 5.48 | 12.1 5.32 | |
| 15 | 2.8 5.61 | 2.9 5.39 | 5.0 5.48 | 4.1 5.32 | 5.2 5.50 | 8.8 5.61 | 10.9 5.63 | 9.8 5.72 | 10.7 5.50 | |
| 20 | 2.9 5.61 | 2.1 5.61 | 4.8 5.84 | 4.0 5.64 | 3.8 5.66 | 8.6 5.61 | 9.8 5.70 | 9.1 5.72 | 9.3 5.57 | |
| 30 | 2.9 5.73 | 1.8 5.93 | 4.7 5.88 | 3.9 5.99 | 2.7 5.86 | 8.3 5.63 | 7.3 5.77 | 6.2 5.81 | 4.5 5.86 | |
| 40 | 2.0 5.93 | 1.8 5.97 | 3.1 6.06 | 3.8 6.06 | 2.5 5.91 | 8.1 5.66 | 5.4 5.97 | 4.3 5.82 | 2.8 6.00 | |
| | Aug. 2 | Aug. 12 | Aug. 21 | Sep. 5 | Sep. 11 | Oct. 21 | | | | |
| 0 | 15.3 5.57 | 15.2 5.66 | 12.8 4.87 | 12.5 4.09 | 12.5 4.51 | 10.1 5.63 | | | | |
| 5 | 15.2 5.64 | 15.1 5.66 | 14.0 5.50 | 12.3 4.11 | 12.3 4.54 | 10.1 5.64 | | | | |
| 10 | 14.8 5.64 | 14.9 5.72 | 13.9 5.57 | 12.2 4.20 | 12.5 5.25 | 10.1 5.64 | | | | |
| 15 | 15.4 5.66 | 14.9 5.79 | 14.1 5.57 | 12.1 5.39 | 11.6 5.48 | 10.1 5.64 | | | | |
| 20 | 12.8 5.68 | 14.9 5.82 | 13.1 5.54 | 8.3 5.48 | 9.3 5.73 | 10.1 5.64 | | | | |
| 30 | 10.2 5.79 | 14.8 5.81 | 7.4 5.86 | 4.8 6.06 | 4.5 6.06 | 10.1 5.64 | | | | |
| 40 | 6.1 5.82 | 14.2 5.82 | 3.2 6.09 | 4.1 6.11 | 3.4 6.17 | 10.1 5.64 | | | | |

| SURFACE OBSERVATIONS AT Sääpi / Skäbskärr | | | | | | | | | | | | |
|---|--------------------|-------|------|------|------|-------|-------|--------------------|-------|-------|------|---------------|
| 61°29'00"N, 21°21'00"E | | | | | | | | | | | | |
| Observer(s): K.A. Henriksson | | | | | | | | | | | | |
| Year: 1961 | | | | | | | | | | | | |
| Temperature, 14 ^h | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 0.6 | -0.3 | 1.2 | 1.4 | 7.3 | 10.1 | 17.0 | 14.7 | 13.3 | 11.9 | 8.3 | 3.8 |
| 2. | 1.0 | -0.3 | 0.5 | 1.3 | 6.2 | 14.3 | 17.5 | 15.9 | 12.7 | 11.2 | 7.7 | 3.4 |
| 3. | 0.8 | -0.3 | 0.9 | 2.2 | 7.0 | 17.6 | 17.0 | 17.4 | 13.3 | 11.5 | 8.6 | 3.5 |
| 4. | 0.5 | -0.3 | 1.0 | 2.8 | 6.1 | 20.1 | 16.1 | 17.3 | 12.3 | 11.2 | 8.2 | 2.6 |
| 5. | 1.2 | -0.3 | 0.8 | 2.4 | 10.2 | 20.2 | 16.4 | 15.5 | 12.4 | 11.7 | 8.7 | 2.3 |
| 6. | 0.8 | -0.3 | 1.9 | 1.9 | 6.6 | 20.8 | 16.6 | 16.0 | 12.5 | 12.2 | 7.8 | 3.3 |
| 7. | 0.5 | -0.3 | 1.2 | 1.4 | 6.6 | 19.6 | 18.2 | 16.7 | 10.3 | 11.1 | 6.8 | 3.5 |
| 8. | 0.2 | -0.3 | 0.8 | 3.0 | 6.0 | 19.5 | 18.3 | 17.2 | 12.0 | 11.4 | 7.0 | 3.0 |
| 9. | 0.2 | -0.3 | 1.3 | 2.7 | 5.9 | 17.8 | 18.0 | 18.0 | 11.7 | 10.3 | 7.1 | 3.5 |
| 10. | 0.0 | -0.3 | 2.0 | 2.1 | 6.4 | 20.2 | 18.2 | 18.2 | 10.9 | 10.6 | 7.2 | 2.2 |
| 11. | 0.3 | -0.3 | 1.9 | 2.8 | 5.7 | 16.2 | 18.3 | 17.8 | 10.8 | 11.7 | 6.9 | 1.0 |
| 12. | -0.1 | -0.3 | 1.4 | 2.5 | 5.6 | 19.0 | 15.6 | 18.2 | 10.5 | 11.6 | 5.8 | 0.6 |
| 13. | -0.2 | -0.3 | 1.2 | 2.6 | 6.3 | 17.0 | 18.2 | 18.3 | 11.3 | 11.2 | 4.5 | -0.3 |
| 14. | 1.1 | -0.3 | 0.3 | 2.4 | 6.6 | 21.0 | 16.5 | 19.0 | 11.2 | 10.8 | 6.0 | -0.2 |
| 15. | 1.4 | -0.3 | 1.2 | 3.2 | 7.3 | 18.2 | 17.1 | 18.2 | 9.6 | 11.0 | 7.0 | -0.2 |
| 16. | -0.3 | -0.3 | 0.9 | 4.2 | 6.7 | 7.5 | 18.0 | 15.8 | 11.2 | 10.7 | 7.3 | 0.2 |
| 17. | -0.3 | -0.3 | 1.2 | 5.1 | 8.6 | 17.8 | 18.4 | 15.2 | 12.5 | 10.4 | 6.3 | 0.6 |
| 18. | -0.3 | -0.3 | 0.3 | 4.8 | 8.0 | 14.2 | 19.5 | 15.0 | 12.3 | 10.2 | 4.7 | 3.4 |
| 19. | -0.2 | -0.3 | 0.1 | 4.0 | 8.4 | 15.9 | 18.4 | 14.6 | 11.7 | 10.3 | 2.4 | 1.8 |
| 20. | -0.2 | -0.3 | 0.5 | 4.1 | 8.2 | 14.8 | 18.5 | 14.0 | 12.3 | 10.3 | 4.4 | 0.8 |
| 21. | -0.2 | -0.3 | 1.0 | 4.6 | 8.7 | 15.7 | 18.0 | 11.5 | 12.4 | 10.1 | 6.3 | 0.3 |
| 22. | -0.3 | -0.3 | 0.1 | 5.1 | 9.4 | 16.4 | 10.7 | 11.8 | 12.3 | 9.7 | 7.0 | -0.3 |
| 23. | -0.3 | -0.3 | 1.1 | 6.8 | 11.6 | 14.6 | 13.1 | 11.7 | 12.7 | 10.7 | 5.0 | -0.3 |
| 24. | -0.3 | 0.2 | 0.1 | 7.2 | 9.5 | 15.0 | 14.2 | 13.2 | 11.8 | 9.0 | 5.0 | 0.2 |
| 25. | -0.3 | 0.2 | 1.5 | 9.0 | 10.7 | 15.9 | 16.7 | 11.7 | 12.3 | 9.2 | 5.2 | 0.3 |
| 26. | -0.3 | 0.2 | 1.3 | 9.2 | 9.8 | 16.2 | 15.5 | 12.5 | 12.1 | 9.3 | 5.3 | 0.3 |
| 27. | -0.3 | 0.2 | 1.4 | 6.5 | 7.1 | 15.2 | 15.6 | 12.6 | 11.5 | 8.8 | 4.1 | 0.0 |
| 28. | -0.3 | 1.1 | 1.4 | 6.2 | 8.2 | 14.2 | 15.4 | 13.6 | 11.8 | 9.9 | 4.6 | -0.3 |
| 29. | -0.3 | | 1.6 | 4.8 | 9.6 | 15.7 | 16.8 | 14.3 | 12.0 | 9.7 | 4.1 | -0.3 |
| 30. | -0.3 | | 1.0 | 6.2 | 9.1 | 14.0 | 17.8 | 15.0 | 12.0 | 9.3 | 4.3 | -0.3 |
| 31. | -0.3 | | 1.4 | | 11.7 | | 16.5 | 14.4 | | 8.4 | | -0.2 |
| M 8 ^h | 0.09 | -0.24 | 0.42 | 2.33 | 6.00 | 14.95 | 15.36 | 14.14 | 10.82 | 10.02 | 5.98 | 1.26 |
| 14 ^h | 0.12 | -0.18 | .05 | 4.08 | 7.91 | 16.49 | 16.84 | 15.33 | 11.86 | 10.50 | 6.12 | 1.23 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 6.09 | 6.08 | 5.86 | 5.17 | 5.55 | 5.73 | 5.90 | 6.02 | 5.88 | 5.91 | 6.13 | 5.91 |
| 6. | 5.93 | 6.08 | 5.93 | 5.48 | 5.26 | 5.75 | 5.70 | 6.02 | 5.97 | 6.04 | 6.00 | 5.91 |
| 11. | 6.00 | 5.79 | 5.88 | 5.35 | 5.63 | 5.77 | 5.93 | 6.00 | 5.30 | 6.08 | 6.06 | 5.97 |
| 16. | 6.08 ¹⁾ | 5.88 | 5.41 | 5.57 | 5.75 | 5.81 | - | 6.06 | 5.75 | 5.97 | 5.90 | 5.99 |
| 21. | 5.99 | 5.77 | 5.45 | 5.48 | 5.50 | 5.86 | 5.73 | 5.86 ¹⁾ | 5.57 | 6.13 | 5.73 | 5.88 |
| 26. | 6.08 | 5.72 | 5.34 | 5.41 | 5.77 | 5.91 | 5.90 | 5.64 | 5.93 | 6.04 | 5.79 | 5.86 |
| M 14 ^h | 6.03 | 5.89 | 5.64 | 5.41 | 5.58 | 5.80 | 5.83 | 5.93 | 5.73 | 6.03 | 5.94 | 5.92 |
| | 1) 17 | | | | | | | 1) 22 | | | | 1) 2 2) 22 |

OBSERVATIONS IN THE DEPTH AT Säppi / Säbbskärr
61°29'00"N, 21°21'00"E

| m | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| | 1961 | | | | | | | | | |
| | May 1 | May 22 | Jun. 1 | Jun. 11 | Jul. 1 | Jul. 11 | Aug. 1 | Aug. 12 | Aug. 22 | |
| 0 | 3.7 5.61 | 4.6 5.52 | 10.7 5.72 | 15.8 5.77 | 15.8 5.90 | 15.8 5.93 | 16.2 5.91 | 15.8 5.99 | 10.6 5.86 | |
| 5 | 3.4 5.63 | 3.7 5.66 | 7.8 5.73 | 15.0 5.77 | 14.2 5.88 | 14.3 5.93 | 14.4 6.02 | 15.5 6.02 | 9.6 5.91 | |
| 10 | 3.2 5.59 | 2.4 6.00 | 5.1 5.75 | 3.4 5.77 | 13.8 5.91 | 13.2 5.97 | 14.0 6.02 | 15.5 6.00 | 8.5 6.04 | |
| 15 | 2.2 5.90 | 2.3 6.04 | 4.2 5.82 | 7.7 5.81 | 11.9 5.93 | 12.0 5.97 | 13.6 6.02 | 15.4 6.00 | 8.4 6.02 | |
| 20 | 1.9 6.00 | 2.2 6.04 | 3.8 5.86 | 6.4 5.81 | 11.1 5.97 | 11.4 6.00 | 12.6 6.08 | 15.4 6.02 | 8.0 6.01 | |
| | Sep. 5 | Sep. 11 | Sep. 21 | Oct. 1 | Oct. 21 | | | | | |
| 0 | 12.2 5.48 | 10.3 5.35 | 11.2 5.81 | 10.7 6.00 | 10.6 6.06 | | | | | |
| 5 | 11.8 5.57 | 10.2 5.66 | 11.2 5.81 | 10.7 6.00 | 10.6 6.06 | | | | | |
| 10 | 9.8 6.00 | 9.8 5.79 | 11.2 5.91 | 10.6 6.02 | 10.8 6.15 | | | | | |
| 15 | 9.2 6.06 | 7.8 6.08 | 11.2 5.93 | 10.5 6.02 | 10.8 6.17 | | | | | |
| 20 | 8.5 6.09 | 6.2 6.06 | 11.0 5.93 | 10.4 6.02 | 10.8 6.17 | | | | | |

| SURFACE OBSERVATIONS AT Saggö 60°25'52"N, 20°03'35"E | | | | | | | | | | | | |
|---|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
| Observer(s): V. Lindblad | | | | | | | | | | | | |
| Year: 1961 | | | | | | | | | | | | |
| Temperature, 8 ^h | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 1.6 | 0.0 | 1.1 | 1.2 | 4.4 | 10.5 | 13.5 | 15.9 | 14.3 | 11.3 | 9.1 | 4.0 |
| 2. | 1.3 | 0.1 | 1.1 | 1.8 | 4.7 | 15.4 | 15.0 | 15.0 | 13.8 | 11.7 | 7.8 | 3.8 |
| 3. | 1.5 | 0.4 | 0.9 | 1.5 | 5.1 | 13.2 | 17.4 | 15.6 | 13.8 | 11.6 | 9.1 | 3.6 |
| 4. | 1.5 | 0.2 | 1.7 | 1.6 | 6.1 | 13.9 | 15.7 | 16.0 | 13.6 | 11.5 | 8.9 | 3.2 |
| 5. | 2.1 | -0.1 | 1.6 | 1.5 | 6.7 | 14.2 | 13.3 | 15.0 | 13.0 | 11.4 | 7.5 | 3.0 |
| 6. | 0.5 | -0.2 | 1.4 | 1.4 | 8.1 | 16.0 | 13.6 | 15.3 | 12.5 | 11.3 | 6.8 | 3.8 |
| 7. | 0.3 | 0.3 | 1.6 | 1.6 | 8.4 | 16.0 | 13.8 | 14.6 | 12.6 | 10.9 | 7.5 | 3.4 |
| 8. | 1.3 | 0.2 | 1.4 | 2.1 | 7.0 | 17.2 | 15.4 | 15.7 | 12.6 | 11.4 | 7.6 | 3.1 |
| 9. | 0.4 | 0.3 | 1.7 | 2.0 | 6.3 | 16.0 | 17.3 | 17.3 | 11.8 | 10.6 | 7.9 | 3.4 |
| 10. | 1.1 | 0.5 | 1.6 | 2.3 | 5.3 | 18.4 | 14.8 | 18.1 | 11.8 | 11.5 | 7.8 | 2.0 |
| 11. | 1.4 | 0.3 | 1.4 | 2.5 | 5.0 | 16.0 | 15.5 | 18.3 | 12.1 | 11.7 | 7.7 | 2.6 |
| 12. | 1.6 | 0.5 | 1.6 | 2.0 | 4.6 | 17.7 | 15.0 | 18.2 | 11.9 | 10.6 | 7.0 | 1.5 |
| 13. | 0.3 | 0.0 | 1.7 | 2.4 | 5.5 | 17.5 | 15.8 | 17.1 | 12.2 | 10.7 | 6.8 | 1.4 |
| 14. | 0.9 | 0.4 | 1.3 | 2.8 | 5.1 | 16.5 | 16.6 | 18.4 | 11.9 | 11.0 | 5.0 | 1.2 |
| 15. | 1.7 | 0.3 | 1.6 | 3.4 | 5.2 | 14.1 | 15.4 | 17.9 | 12.5 | 10.8 | 5.2 | 1.0 |
| 16. | 1.4 | 0.5 | 1.1 | 3.9 | 6.0 | 13.8 | 16.6 | 17.1 | 12.8 | 10.4 | 5.9 | -0.4 |
| 17. | 0.2 | 0.5 | 1.3 | 3.4 | 6.3 | 15.0 | 16.9 | 16.1 | 15.4 | 10.4 | 5.1 | -0.1 |
| 18. | 0.5 | 0.6 | 1.8 | 3.8 | 7.2 | 14.3 | 16.8 | 15.1 | 12.3 | 10.4 | 5.0 | -0.6 |
| 19. | 0.0 | 0.8 | 1.1 | 3.7 | 7.4 | 15.2 | 16.9 | 14.9 | 13.2 | 10.8 | 5.6 | -0.7 |
| 20. | -0.2 | 0.7 | 1.3 | 3.2 | 6.6 | 14.6 | 17.4 | 13.6 | 11.6 | 10.6 | 4.4 | 1.9 |
| 21. | 0.0 | 0.7 | 1.0 | 3.8 | 7.5 | 13.4 | 17.1 | 13.1 | 11.8 | 10.8 | 5.7 | 1.8 |
| 22. | -0.1 | 0.8 | 1.1 | 3.7 | 7.0 | 13.7 | 15.1 | 13.0 | 11.5 | 10.4 | 5.6 | 1.3 |
| 23. | -0.3 | 0.4 | 1.0 | 3.9 | 8.6 | 13.4 | 14.5 | 12.7 | 12.8 | 10.5 | 5.2 | 0.8 |
| 24. | -0.3 | 0.6 | 1.6 | 4.0 | 8.8 | 14.5 | 14.9 | 12.5 | 12.2 | 10.0 | 4.6 | -0.2 |
| 25. | -0.2 | 0.3 | 1.3 | 5.3 | 10.1 | 14.2 | 15.6 | 13.2 | 12.5 | 10.0 | 4.8 | -0.1 |
| 26. | -0.2 | 0.3 | 1.5 | 7.6 | 8.8 | 14.1 | 14.5 | 13.2 | 11.9 | 10.0 | 5.0 | -0.3 |
| 27. | -0.3 | 0.5 | 1.4 | 7.6 | 9.2 | 14.0 | 14.8 | 12.8 | 11.5 | 9.5 | 4.3 | -0.2 |
| 28. | -0.3 | 0.4 | 1.4 | 4.5 | 8.2 | 13.6 | 15.2 | 12.3 | 11.5 | 9.6 | 4.7 | -0.2 |
| 29. | 0.1 | | 1.1 | 5.0 | 8.7 | 12.7 | 15.6 | 13.5 | 11.8 | 9.2 | 3.7 | -0.3 |
| 30. | 0.2 | | 1.4 | 4.7 | 8.9 | 12.3 | 15.3 | 13.1 | 11.8 | 9.1 | 4.6 | -0.2 |
| 31. | 0.3 | | 1.4 | | 9.4 | | 15.5 | 14.6 | | 8.9 | | -0.2 |
| 8 ^h | 0.65 | 0.37 | 1.37 | 3.27 | 6.97 | 14.71 | 15.51 | 15.14 | 12.50 | 10.60 | 6.20 | 1.40 |
| 14 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 8 ^h | | | | | | | | | | | | |
| 1. | 5.73 | 5.73 | 5.75 | 5.81 | 6.00 | 5.99 | 6.04 | 5.95 | 6.04 | 5.97 | 5.81 | 6.00 |
| 6. | 2.95 | 5.82 | 5.73 | 5.72 | 5.93 | 5.97 | 5.97 | 5.95 | 6.08 | 5.95 | 5.77 | 6.04 |
| 11. | 5.79 | 5.79 | 5.75 | 5.97 | 6.04 | 6.00 | 6.06 | 5.95 | 6.17 | 5.91 | 5.88 | 6.08 |
| 16. | 5.82 | 5.73 | 6.00 | 5.95 | 6.02 | 5.99 | 6.08 | 5.90 | 6.04 | 5.81 | 6.00 | 6.06 |
| 21. | 5.84 | 5.64 | 5.84 | 6.04 | 5.99 | 6.00 | 6.08 | 5.95 | 6.06 | - | 6.04 | 6.08 |
| 26. | 5.90 | 5.72 | 5.81 | 6.00 | 5.99 | 6.04 | 5.91 | 6.04 | 5.95 | 5.79 | 6.06 | 5.99 |
| M | | | | | | | | | | | | |
| 8 ^h | 5.34 | 5.74 | 5.81 | 5.92 | 6.00 | 6.00 | 6.02 | 5.96 | 6.06 | 5.89 | 5.93 | 6.04 |

OBSERVATIONS IN THE DEPTH AT Saggö
60°24'38"N, 19°58'45"E

| m | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1961 | | | | | | | | |
| | Jan. 8 | Jan. 30 | Apr. 24 | May 10 | May 22 | Jun. 4 | Jun. 13 | Jun. 26 | Aug. 7 |
| 0 | 2.7 5.84 | 0.7 5.82 | 5.4 6.04 | 5.3 6.06 | 7.0 5.97 | 13.5 - | 16.4 5.99 | 12.5 6.00 | 14.5 5.91 |
| 5 | 2.6 5.84 | 0.7 5.82 | 2.8 6.08 | 5.2 6.06 | 7.1 5.97 | 13.4 5.97 | 13.2 5.97 | 12.3 6.00 | 14.3 5.90 |
| 10 | 2.8 5.84 | 0.7 5.82 | 2.8 6.09 | 5.0 6.06 | 6.8 6.00 | 6.9 6.00 | 5.0 6.06 | 12.1 6.00 | 14.4 5.90 |
| 15 | 2.7 5.84 | 0.7 5.84 | 2.8 6.08 | 4.8 6.06 | 6.4 5.97 | 6.6 6.00 | 4.4 6.09 | 12.0 6.00 | 14.3 5.95 |
| 20 | 2.8 5.84 | 0.7 5.84 | 2.7 6.08 | 4.3 6.08 | 6.8 5.97 | 4.0 6.13 | 4.2 6.13 | 12.0 6.00 | 13.8 6.06 |
| 30 | 2.4 5.84 | 0.7 5.84 | 2.6 6.08 | 3.8 6.08 | 4.3 6.15 | 4.0 6.15 | 3.9 6.17 | 6.4 6.13 | 8.2 6.40 |
| 40 | 2.7 5.84 | 0.7 5.84 | 2.6 6.08 | 3.8 6.11 | 3.9 6.19 | 3.9 6.19 | 3.6 6.19 | 5.6 6.15 | 8.1 6.49 |
| 50 | 2.8 5.95 | 0.8 5.88 | 2.6 6.08 | 3.6 6.11 | 3.6 6.19 | 3.9 6.20 | 3.2 6.28 | 5.0 6.17 | 7.7 6.38 |
| | Sep. 21 | Oct. 1 | Oct. 17 | Oct. 22 | Nov. 1 | | | | |
| 0 | 11.9 6.06 | 11.7 6.04 | 11.2 5.75 | 10.4 5.90 | 9.9 5.82 | | | | |
| 5 | 11.9 6.06 | 11.7 6.04 | 11.2 5.75 | 10.4 5.90 | 9.9 5.82 | | | | |
| 10 | 11.9 6.06 | 11.9 6.04 | 11.4 5.75 | 10.3 5.91 | 10.0 5.82 | | | | |
| 15 | 11.9 6.06 | 11.8 6.04 | 11.1 5.82 | 8.6 6.19 | 10.0 5.82 | | | | |
| 20 | 11.9 6.06 | 11.8 6.06 | 11.2 5.84 | 8.0 6.29 | 10.0 5.82 | | | | |
| 30 | 12.1 6.15 | 8.8 6.22 | 11.1 5.86 | 7.8 6.98 | 9.8 5.88 | | | | |
| 40 | 12.0 6.15 | 8.2 6.24 | 11.0 5.93 | 7.2 6.42 | 9.4 6.08 | | | | |
| 50 | 11.5 6.20 | 8.1 6.24 | 10.9 5.99 | 7.0 6.44 | 8.9 6.17 | | | | |

OBSERVATIONS IN THE DEPTH AT Märket
60°18'00"N, 19°09'00"E

| m | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo |
|-----|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|
| | 1961 | | | | | | | | |
| | Mar. 12 | Apr. 1 | Apr. 30 | May 22 | Jun. 11 | Jul. 1 | Jul. 11 | Jul. 21 | Sep. 1 |
| 0 | 1.3 5.77 | 1.6 5.84 | 3.1 5.86 | 5.4 5.79 | 13.1 5.52 | 11.6 5.37 | 13.1 5.75 | 15.6 5.81 | 14.1 5.30 |
| 5 | 1.7 5.77 | 1.4 5.86 | 3.1 5.86 | 5.0 5.79 | 9.8 5.61 | 11.2 5.39 | 12.6 5.77 | 15.2 5.81 | 13.7 5.30 |
| 10 | 1.6 5.79 | 1.4 5.90 | 3.1 5.88 | 4.6 5.82 | 9.6 5.91 | 10.3 5.45 | 9.9 5.66 | 13.9 5.90 | 13.3 5.32 |
| 15 | 1.8 5.91 | 1.5 5.95 | 2.1 5.97 | 4.6 5.86 | 9.6 5.93 | 9.1 5.57 | 8.0 5.73 | 10.9 5.93 | 13.0 5.32 |
| 20 | 2.8 6.33 | 1.6 5.99 | 2.4 6.04 | 4.4 5.90 | 4.0 5.99 | 8.7 5.73 | 7.9 5.75 | 8.7 5.95 | 12.8 5.45 |
| 30 | 2.9 6.49 | 1.8 6.09 | 2.8 6.67 | 3.3 5.97 | 4.0 6.44 | 4.7 6.60 | 5.5 6.40 | 5.4 6.02 | 8.4 5.97 |
| 40 | 3.0 6.55 | 2.2 6.40 | 2.8 6.20 | 3.1 6.42 | 3.2 6.78 | 3.9 6.89 | 4.7 6.91 | 5.1 6.64 | 7.2 6.40 |
| 50 | 3.2 6.67 | 2.8 6.56 | 2.8 6.89 | 3.0 6.51 | 3.2 6.94 | 4.1 6.94 | 4.3 7.02 | 4.4 7.02 | 6.9 6.47 |
| 60 | 3.3 6.65 | 2.9 6.69 | 2.8 6.87 | 3.0 6.69 | 3.1 7.00 | 3.9 7.12 | 3.7 7.03 | 4.2 7.09 | - - |
| 70 | 3.5 6.71 | 3.0 6.69 | 2.9 6.91 | 2.8 6.64 | 3.2 7.05 | 3.6 7.12 | 3.6 7.09 | 3.9 7.16 | 5.3 6.80 |
| 80 | 3.6 6.73 | 3.0 6.71 | 2.9 6.71 | 2.9 6.69 | 3.5 7.07 | 3.6 7.12 | 3.6 7.11 | 3.6 7.18 | 5.3 7.07 |
| 90 | 3.8 6.76 | 3.0 6.69 | 3.0 6.35 | 2.9 6.69 | 3.5 7.09 | 3.7 7.12 | 3.7 7.11 | 3.7 7.20 | 5.1 7.16 |
| 100 | 3.9 6.80 | 3.0 6.69 | 3.0 5.88 | 2.9 6.69 | 3.5 7.09 | 3.7 7.12 | 3.9 7.12 | 3.7 7.23 | 4.9 7.25 |
| | Oct. 3 | | | | | | | | |
| 0 | 12.3 5.43 | | | | | | | | |
| 5 | 12.1 5.43 | | | | | | | | |
| 10 | 12.1 5.55 | | | | | | | | |
| 15 | 11.8 5.55 | | | | | | | | |
| 20 | 11.7 5.63 | | | | | | | | |
| 30 | 8.9 6.44 | | | | | | | | |
| 40 | 8.3 6.58 | | | | | | | | |
| 50 | 7.7 6.85 | | | | | | | | |
| 60 | 6.9 6.98 | | | | | | | | |
| 70 | 6.8 7.05 | | | | | | | | |
| 80 | 6.1 7.16 | | | | | | | | |
| 90 | 5.9 7.05 | | | | | | | | |
| 100 | 5.9 7.18 | | | | | | | | |

OBSERVATIONS IN THE DEPTH AT Lågskär
 59°51'00"N, 19°55'00"E

| m | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ |
|----|----------|----------|----------|----------|----------|----------|---------|---------|---------|
| | 1961 | | | | | | | | |
| | Jan. 5 | Feb. 1 | Feb. 13 | Feb. 22 | Mar. 2 | Mar. 14 | | | |
| 0 | 3.2 5.86 | 1.6 5.90 | 1.4 5.97 | 1.4 5.99 | 1.6 5.97 | 2.1 6.35 | | | |
| 5 | 3.4 5.95 | 1.6 5.90 | 1.4 5.99 | 1.4 5.99 | 1.4 5.97 | 2.1 6.40 | | | |
| 10 | 3.4 5.99 | 1.7 5.95 | 1.4 5.99 | 1.5 6.00 | 1.9 6.00 | 2.2 6.42 | | | |
| 15 | 3.6 5.99 | 1.8 6.08 | 1.4 5.99 | 1.5 5.97 | 1.8 6.02 | 2.2 6.46 | | | |
| 20 | 3.7 6.00 | 2.5 6.46 | 1.4 6.00 | 1.7 5.99 | 1.9 6.02 | 2.2 6.46 | | | |
| 30 | 4.6 6.24 | 2.5 6.65 | 2.0 6.35 | 2.1 6.42 | 1.9 6.11 | 2.6 6.46 | | | |
| 40 | 4.7 6.56 | 2.4 6.67 | 2.2 6.47 | 2.4 6.55 | 2.2 6.60 | 2.3 6.47 | | | |
| 50 | 4.8 6.67 | 2.6 6.69 | 2.4 6.62 | 2.4 6.69 | 2.8 6.78 | 2.3 6.49 | | | |
| 60 | 5.0 6.76 | 2.6 6.71 | 2.8 6.78 | 2.8 6.82 | 2.9 6.83 | 2.2 6.47 | | | |
| 70 | 4.9 6.76 | 2.7 6.76 | 2.8 6.82 | 2.8 6.91 | 2.8 6.91 | 2.4 6.56 | | | |
| 80 | 5.0 6.78 | 2.7 6.76 | 2.8 6.85 | 2.6 7.02 | 2.6 6.96 | 2.4 6.64 | | | |

| SURFACE OBSERVATIONS AT KÖKAR | | | | | | | | | | | | |
|-------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
| 59°55'15"N, 20°51'45"E | | | | | | | | | | | | |
| Observer(s): Å. Tammi | | | | | | | | | | | | |
| Temperature, 14 ^h | | | | | | | | | | | | |
| Year: 1961 | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 3.5 | 1.7 | 2.1 | 2.5 | 6.8 | 12.5 | 14.0 | 15.0 | 13.0 | 12.5 | 10.8 | 5.8 |
| 2. | 3.0 | 1.5 | 2.2 | 2.5 | 7.0 | 12.0 | 14.2 | 15.0 | 13.0 | 12.6 | 10.6 | 5.7 |
| 3. | 2.5 | 1.7 | 2.0 | 2.5 | 7.0 | 13.0 | 14.3 | 14.0 | 13.0 | 12.0 | 10.4 | 5.7 |
| 4. | 2.5 | 1.6 | 2.0 | 2.4 | 7.3 | 13.5 | 14.5 | 14.0 | 13.0 | 11.8 | 10.0 | 5.6 |
| 5. | 2.5 | 1.7 | 2.0 | 2.4 | 7.2 | 14.0 | 15.0 | 14.5 | 12.0 | 11.5 | 10.0 | 5.6 |
| 6. | 2.0 | 1.8 | 1.6 | 2.4 | 7.4 | 16.5 | 16.0 | 15.0 | 11.7 | 11.4 | 9.5 | 5.2 |
| 7. | 2.0 | 2.0 | 1.6 | 2.6 | 7.5 | 16.5 | 16.0 | 15.5 | 12.5 | 11.4 | 9.0 | 5.0 |
| 8. | 2.0 | 2.0 | 1.7 | 2.7 | 7.5 | 16.0 | 16.0 | 15.5 | 12.5 | 11.5 | 9.0 | 5.0 |
| 9. | 2.0 | 2.0 | 1.5 | 2.7 | 7.5 | 16.0 | 15.0 | 16.0 | 12.5 | 11.2 | 8.9 | 4.5 |
| 10. | 2.0 | 2.0 | 1.5 | 2.8 | 7.5 | 16.0 | 15.0 | 16.0 | 12.1 | 11.0 | 8.6 | 4.2 |
| 11. | 2.0 | 2.0 | 1.3 | 3.0 | 7.8 | 15.0 | 16.0 | 15.5 | 12.0 | 11.0 | 8.4 | 4.0 |
| 12. | 2.5 | 2.0 | 1.3 | 3.1 | 7.6 | 15.0 | 15.0 | 15.5 | 12.0 | 11.1 | 8.3 | 4.0 |
| 13. | 2.5 | 2.0 | 1.2 | 3.0 | 7.8 | 15.0 | 16.0 | 15.0 | 12.5 | 11.0 | 8.0 | 3.8 |
| 14. | 2.0 | 2.0 | 1.3 | 3.0 | 7.8 | 15.5 | 16.5 | 15.0 | 12.6 | 11.0 | 7.8 | 3.8 |
| 15. | 2.0 | 2.0 | 1.3 | 3.0 | 8.0 | 15.5 | 17.0 | 15.5 | 12.7 | 11.2 | 7.5 | 4.0 |
| 16. | 1.5 | 2.0 | 1.3 | 3.0 | 8.0 | 15.0 | 17.0 | 16.0 | 12.7 | 10.9 | 7.5 | 4.0 |
| 17. | 1.5 | 2.0 | 1.3 | 3.2 | 8.0 | 14.8 | 18.0 | 16.0 | 12.5 | 10.5 | 7.0 | 3.5 |
| 18. | 1.0 | 2.3 | 1.3 | 3.3 | 8.0 | 14.5 | 18.0 | 14.0 | 12.7 | 10.5 | 7.0 | 3.2 |
| 19. | 0.5 | 2.3 | 1.2 | 3.4 | 8.0 | 14.3 | 19.0 | 14.5 | 12.6 | 11.0 | 7.0 | 2.5 |
| 20. | 0.5 | 2.2 | 1.2 | 3.9 | 8.5 | 14.0 | 19.5 | 14.0 | 12.5 | 11.3 | 6.8 | 2.0 |
| 21. | 0.4 | 2.0 | 2.7 | 4.3 | 10.0 | 13.8 | 17.0 | 14.0 | 12.5 | 11.0 | 6.8 | 2.0 |
| 22. | 0.2 | 1.8 | 2.0 | 4.4 | 10.0 | 13.8 | 16.0 | 13.5 | 12.5 | 11.0 | 6.7 | 1.8 |
| 23. | 0.1 | 1.8 | 2.0 | 4.4 | 10.5 | 13.7 | 13.3 | 13.0 | 12.5 | 11.0 | 6.7 | 1.9 |
| 24. | 0.0 | 1.7 | 2.5 | 4.5 | 9.0 | 13.8 | 13.9 | 13.0 | 12.6 | 10.9 | 6.5 | 2.0 |
| 25. | 1.5 | 1.7 | 2.5 | 4.5 | 10.0 | 15.0 | 14.0 | 13.0 | 12.6 | 10.9 | 6.5 | 2.1 |
| 26. | 1.5 | 1.5 | 2.6 | 4.5 | 10.0 | 16.0 | 15.0 | 13.0 | 12.7 | 10.9 | 6.5 | 2.0 |
| 27. | 1.6 | 1.5 | 2.6 | 4.5 | 10.5 | 16.2 | 14.7 | 13.5 | 12.5 | 10.8 | 6.0 | 2.5 |
| 28. | 1.7 | 1.5 | 2.7 | 4.5 | 11.0 | 14.0 | 14.8 | 13.5 | 12.5 | 10.8 | 6.0 | 2.5 |
| 29. | 1.7 | | 2.7 | 4.6 | 11.5 | 13.0 | 14.6 | 14.0 | 12.5 | 10.8 | 6.0 | 2.4 |
| 30. | 1.7 | | 2.6 | 4.6 | 12.0 | 12.2 | 14.5 | 13.0 | 12.5 | 10.7 | 5.5 | 2.5 |
| 31. | 1.5 | | 2.7 | | 12.5 | | 14.9 | 13.0 | | 10.7 | | 2.5 |
| M 8 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 ^h | 1.67 | 1.87 | 1.89 | 3.41 | 8.68 | 14.53 | 15.64 | 14.45 | 12.52 | 11.16 | 7.84 | 3.65 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 6.78 | 6.78 | 6.74 | 6.91 | 6.44 | 6.51 | 6.94 | 6.73 | 6.76 | 6.78 | 6.44 | 6.74 |
| 6. | 6.73 | | 6.73 | 6.56 | 6.46 | 6.78 | 6.87 | 4.94 | 6.85 | 6.64 | 6.46 | 6.83 |
| 11. | 6.71 | | 6.71 | 6.55 | 6.46 | 6.83 | 6.80 | 5.03 | 6.87 | 6.55 | 6.76 | 6.87 |
| 16. | 6.80 | 6.83 | 6.96 | 6.56 | 6.47 | 6.85 | 6.74 | 5.35 | 6.73 | 6.53 | 6.76 | 6.87 |
| 21. | 6.80 | 6.85 | 6.93 | 6.55 | 6.47 | 6.83 | 5.95 | 6.80 | 6.83 | 6.44 | 6.74 | 6.87 |
| 26. | 6.82 | 6.76 | 6.93 | 6.55 | 6.47 | 6.85 | 6.76 | 6.78 | 6.78 | 6.44 | 6.74 | 6.78 |
| M 14 ^h | 6.77 | 6.80 | 6.83 | 6.61 | 6.46 | 6.78 | 6.68 | 5.94 | 6.80 | 6.56 | 6.65 | 6.83 |

OBSERVATIONS IN THE DEPTH AT Kōkar

| m | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1961 | | | | | | | | | |
| | Jan. 1 | Jan. 11 | Jan. 21 | Feb. 1 | Feb. 21 | Mar. 1 | Mar. 11 | Mar. 21 | Apr. 1 |
| 0 | 4.0 6.78 | 3.0 6.80 | 1.5 6.87 | 1.5 6.89 | 2.0 6.89 | 1.8 6.69 | 2.0 6.65 | 2.0 7.00 | 2.0 6.94 |
| 5 | 4.0 6.78 | 3.0 6.80 | 2.0 6.87 | 2.0 6.89 | 3.0 6.96 | 1.8 6.89 | 3.0 7.39 | 2.0 7.00 | 2.5 6.96 |
| 10 | 4.0 6.82 | 3.0 6.82 | 2.0 6.96 | 2.0 6.98 | 3.0 6.93 | 1.8 6.93 | 3.0 7.39 | 2.5 7.23 | 2.5 7.21 |
| 15 | 4.0 6.82 | 3.0 6.82 | 2.0 6.91 | 2.0 6.98 | 3.0 7.25 | 1.9 7.21 | 3.0 7.43 | 2.5 7.25 | 2.5 7.21 |
| 20 | 4.0 6.82 | 3.0 6.83 | 2.0 6.98 | 2.0 6.96 | 4.0 7.25 | 1.9 7.21 | 3.0 7.47 | 2.5 7.25 | 2.5 7.23 |
| 30 | 6.0 6.82 | 3.0 6.83 | 2.0 6.98 | 1.7 6.98 | 5.0 7.34 | 2.0 7.43 | 3.0 7.47 | 2.5 7.25 | 2.5 7.23 |
| 40 | 6.0 6.83 | 2.9 6.85 | 2.0 7.03 | 2.0 7.03 | 5.0 7.34 | 2.0 7.43 | 3.0 7.48 | 2.5 7.27 | 2.5 7.25 |
| 50 | 6.0 6.83 | 2.9 6.85 | 2.0 7.05 | 2.0 7.05 | 5.5 7.41 | 2.0 7.45 | 3.0 7.48 | 2.5 7.29 | 2.5 7.25 |
| 60 | 6.0 6.83 | 2.9 6.85 | 2.0 7.43 | 2.0 7.48 | 5.5 7.43 | 2.0 7.47 | 3.0 7.50 | 2.5 7.30 | 2.5 7.29 |
| | Apr. 11 | Apr. 21 | May 1 | May 11 | May 21 | Jun. 1 | Jun. 11 | Jun. 21 | Jul. 2 |
| 0 | 3.0 6.46 | 3.5 6.44 | 6.0 6.44 | 7.0 6.58 | 9.0 6.47 | 11.5 6.47 | 14.0 6.83 | 14.0 6.83 | 13.0 6.87 |
| 5 | 2.5 6.64 | 3.5 6.65 | 6.0 6.44 | 7.0 6.69 | 9.0 6.47 | 11.0 6.47 | 12.0 6.85 | 8.0 6.87 | 12.0 6.91 |
| 10 | 2.5 7.07 | 3.0 7.11 | 5.5 6.44 | 6.5 6.69 | 8.0 6.56 | 9.5 6.58 | 9.5 6.83 | 5.5 6.91 | 8.0 7.02 |
| 15 | 2.5 7.11 | 3.0 7.11 | 4.5 6.44 | 6.5 6.87 | 6.5 6.62 | 8.0 6.62 | 9.0 6.85 | 5.0 7.02 | 6.0 7.11 |
| 20 | 2.5 7.12 | 3.0 7.12 | 4.5 6.94 | 4.5 6.89 | 6.0 6.74 | 8.0 6.76 | 9.0 6.85 | 5.0 7.09 | 5.0 7.09 |
| 30 | 2.5 7.14 | 3.0 7.12 | 4.5 6.96 | 3.5 7.05 | 3.5 7.05 | 4.5 7.09 | 5.0 6.83 | 5.0 7.11 | 4.5 7.21 |
| 40 | 2.5 7.18 | 3.0 7.16 | 4.5 7.05 | 3.5 7.05 | 3.0 7.16 | 4.0 7.18 | 5.0 6.83 | 5.0 7.14 | 4.5 7.23 |
| 50 | 2.5 7.18 | 3.0 7.16 | 3.5 7.05 | 3.0 7.21 | 3.0 7.21 | 3.5 7.20 | 4.0 6.65 | 5.0 7.32 | 3.5 7.39 |
| 60 | 2.5 6.87 | 3.0 7.12 | 3.5 7.03 | 3.0 7.20 | 3.0 7.21 | 3.5 7.21 | 4.0 6.85 | 5.0 7.29 | 3.5 7.39 |
| | Jul. 11 | Jul. 21 | Aug. 1 | Aug. 11 | Sep. 1 | Sep. 11 | Sep. 21 | Oct. 1 | Oct. 11 |
| 0 | 16.5 6.83 | 13.0 6.83 | 14.5 6.76 | 16.0 6.47 | 13.0 6.89 | 13.0 6.87 | 12.5 6.87 | 12.5 6.76 | 11.0 6.53 |
| 5 | 16.0 6.83 | 13.0 6.82 | 14.5 6.82 | 15.0 6.58 | 11.0 6.91 | 12.0 6.87 | 12.5 6.87 | 12.5 6.83 | 11.0 6.55 |
| 10 | 16.0 6.83 | 13.0 6.83 | 14.0 6.83 | 15.0 6.58 | 11.0 6.93 | 12.0 6.87 | 12.5 6.89 | 12.5 6.83 | 11.0 6.55 |
| 15 | 11.5 6.94 | 6.0 7.25 | 13.0 6.82 | 13.0 6.87 | 9.0 6.98 | 11.5 6.91 | 12.0 6.87 | 12.5 6.83 | 11.0 6.58 |
| 20 | 10.0 6.94 | 5.0 7.27 | 10.0 6.83 | 12.0 6.87 | 8.0 7.02 | 11.0 6.94 | 12.0 6.89 | 12.0 6.85 | 11.0 6.73 |
| 30 | 6.0 7.12 | 4.0 7.29 | 6.5 7.25 | 7.0 7.11 | 5.0 7.11 | 8.0 7.11 | 9.0 7.00 | 12.0 6.85 | 10.0 6.91 |
| 40 | 5.0 7.11 | 4.0 7.29 | 5.0 7.29 | 6.0 7.09 | 5.0 7.11 | 8.0 7.12 | 8.0 7.02 | 10.0 6.87 | 10.0 6.94 |
| 50 | 3.5 7.38 | 3.5 7.30 | 4.0 7.30 | 5.5 7.21 | 4.0 7.20 | 6.0 7.20 | 7.0 7.14 | 8.5 7.09 | 9.0 6.91 |
| 60 | 3.5 7.41 | 3.5 7.32 | 4.0 7.36 | 5.5 7.25 | 4.0 7.20 | 5.0 7.21 | 7.0 7.14 | 7.0 7.14 | 7.0 7.09 |
| | Nov. 1 | Nov. 23 | Dec. 1 | Dec. 21 | | | | | |
| 0 | 10.5 6.44 | 6.7 6.76 | 5.5 6.80 | 3.0 6.83 | | | | | |
| 5 | 10.5 6.46 | 7.0 6.76 | 5.5 6.80 | 3.0 6.89 | | | | | |
| 10 | 10.0 6.49 | 7.0 6.76 | 6.0 6.80 | 3.0 6.91 | | | | | |
| 15 | 10.0 6.55 | 7.0 6.76 | 6.5 6.78 | 3.0 6.93 | | | | | |
| 20 | 10.0 6.60 | 7.0 6.76 | 6.5 6.80 | 3.5 6.91 | | | | | |
| 30 | 9.0 6.78 | 7.5 6.76 | 7.0 6.87 | 4.0 6.94 | | | | | |
| 40 | 9.0 6.80 | 8.0 6.89 | 7.0 6.87 | 4.0 6.94 | | | | | |
| 50 | 8.0 6.82 | 8.0 6.89 | 7.0 6.98 | 5.0 6.96 | | | | | |
| 60 | 7.0 6.91 | 8.0 6.91 | 8.0 6.98 | 5.0 6.98 | | | | | |

| SURFACE OBSERVATIONS AT Utö 59°46'58"N, 21°22'42"E | | | | | | | | | | | | |
|---|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
| Observer(s): F.J. Forssell | | | | | | | | | | | | |
| Year: 1961 | | | | | | | | | | | | |
| Temperature, 14 ^h | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 3.2 | 2.3 | 2.5 | 2.6 | 5.9 | 12.2 | 12.3 | 15.3 | 14.1 | 2.5 | 10.2 | 5.9 |
| 2. | 3.1 | 2.2 | 2.4 | 2.7 | 6.5 | 11.4 | 14.1 | 15.4 | 14.6 | 12.7 | 10.2 | 5.8 |
| 3. | 3.0 | 2.2 | 2.5 | 2.6 | 6.9 | 12.6 | 14.2 | 15.9 | 13.9 | 12.4 | 10.6 | 5.6 |
| 4. | 2.9 | 2.5 | 2.5 | 3.0 | 6.2 | 13.2 | 14.3 | 15.5 | 13.6 | 12.0 | 10.1 | 5.7 |
| 5. | 3.0 | 2.0 | 2.5 | 3.2 | 5.6 | 13.5 | 13.9 | 15.1 | 13.1 | 12.0 | 9.4 | 5.7 |
| 6. | 2.9 | 1.9 | 2.7 | 2.6 | 6.6 | 14.3 | 14.0 | 15.3 | 12.4 | 11.8 | 9.6 | 6.1 |
| 7. | 3.0 | 2.4 | 2.3 | 2.6 | 6.7 | 16.1 | 13.2 | 15.2 | 12.2 | 11.8 | 9.5 | 5.9 |
| 8. | 2.7 | 2.5 | 2.3 | 3.2 | 6.6 | 16.4 | 13.9 | 16.4 | 12.3 | 11.0 | 9.4 | 5.5 |
| 9. | 2.2 | 2.1 | 2.7 | 2.6 | 6.2 | 15.8 | 13.7 | 16.1 | 11.9 | 11.2 | 9.2 | 5.7 |
| 10. | 2.2 | 1.6 | 3.0 | 2.6 | 6.8 | 15.3 | 14.7 | 16.5 | 11.5 | 11.9 | 9.3 | 5.2 |
| 11. | 2.4 | 2.2 | 2.7 | 2.6 | 6.0 | 17.0 | 15.4 | 16.7 | 12.0 | 12.3 | 9.0 | 5.0 |
| 12. | 1.6 | 2.3 | 2.7 | 2.7 | 5.5 | 17.8 | 15.3 | 16.8 | 12.5 | 12.1 | 8.0 | 4.5 |
| 13. | 2.5 | 2.0 | 2.2 | 2.5 | 6.3 | 17.3 | 16.7 | 16.9 | 12.5 | 12.0 | 7.0 | 3.6 |
| 14. | 2.6 | 2.4 | 2.1 | 3.6 | 7.6 | 18.0 | 17.1 | 17.0 | 12.8 | 11.4 | 7.5 | 3.2 |
| 15. | 2.7 | 2.5 | 2.2 | 4.0 | 7.2 | 16.6 | 16.8 | 16.2 | 13.0 | 11.4 | 8.2 | 2.8 |
| 16. | 1.9 | 2.2 | 2.2 | 3.9 | 8.3 | 18.1 | 17.3 | 15.7 | 13.4 | 11.4 | 8.1 | 2.9 |
| 17. | 1.0 | 2.3 | 2.5 | 4.4 | 8.3 | 16.9 | 17.3 | 16.0 | 13.3 | 11.5 | 6.7 | 3.2 |
| 18. | 2.2 | 2.4 | 2.3 | 4.8 | 8.8 | 15.2 | 18.0 | 16.0 | 12.3 | 11.3 | 7.2 | 3.7 |
| 19. | 1.6 | 2.1 | 1.6 | 4.0 | 8.8 | 14.4 | 18.3 | 15.7 | 12.4 | 11.4 | 6.5 | 4.0 |
| 20. | 1.7 | 2.1 | 1.5 | 3.4 | 8.1 | 14.6 | 18.2 | 13.4 | 12.0 | 11.3 | 6.6 | 3.7 |
| 21. | 1.7 | 2.1 | 1.8 | 4.0 | 8.3 | 13.2 | 17.2 | 13.2 | 12.0 | 11.2 | 7.1 | 2.5 |
| 22. | 1.0 | 2.1 | 1.9 | 4.7 | 8.4 | 12.8 | 14.9 | 12.7 | 12.1 | 10.9 | 7.0 | 1.8 |
| 23. | 1.2 | 1.9 | 2.5 | 4.8 | 9.7 | 13.3 | 14.7 | 13.6 | 12.4 | 10.4 | 6.9 | 2.0 |
| 24. | 0.5 | 2.0 | 2.2 | 6.0 | 9.1 | 12.7 | 14.9 | 13.5 | 12.9 | 10.4 | 6.8 | 2.5 |
| 25. | -0.1 | 1.6 | 2.2 | 6.0 | 8.6 | 12.0 | 14.2 | 13.1 | 12.6 | 10.8 | 6.6 | 2.7 |
| 26. | 1.0 | 1.6 | 2.4 | 6.4 | 9.5 | 12.9 | 14.0 | 13.3 | 12.5 | 11.0 | 6.4 | 1.9 |
| 27. | 0.9 | 2.2 | 2.1 | 7.0 | 9.4 | 12.2 | 14.5 | 13.2 | 12.8 | 11.0 | 6.4 | 1.9 |
| 28. | 1.2 | 2.5 | 2.0 | 4.6 | 9.4 | 12.3 | 14.4 | 13.3 | 12.4 | 11.1 | 6.0 | 2.6 |
| 29. | 1.2 | | 2.2 | 6.4 | 10.8 | 12.1 | 14.2 | 13.2 | 12.7 | 11.1 | 5.7 | 2.1 |
| 30. | 2.4 | | 1.9 | 5.4 | 12.5 | 13.6 | 15.7 | 13.6 | 12.6 | 10.6 | 6.1 | 2.3 |
| 31. | 2.3 | | 2.1 | | 11.3 | | 16.0 | 14.0 | | 10.4 | | 3.2 |
| M 8 ^h | 1.88 | 1.93 | 1.98 | 3.12 | 6.96 | 13.45 | 14.38 | 14.24 | 12.34 | 11.22 | 7.74 | 3.75 |
| 14 ^h | 1.99 | 2.15 | 2.28 | 3.96 | 7.93 | 14.46 | 15.27 | 14.96 | 12.69 | 11.43 | 7.91 | 3.84 |
| 20 ^h | 1.94 | 2.06 | 2.18 | 3.67 | 7.55 | 13.80 | 14.92 | 14.58 | 12.67 | 11.39 | 7.81 | 3.76 |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 6.64 | 6.76 | 7.02 | 6.91 | 6.60 | 6.98 | 6.87 | 6.82 | 6.82 | 6.83 | 6.62 | 6.74 |
| 6. | 6.58 | 6.83 | 6.96 | 6.87 | 6.69 | 6.87 | 6.85 | 6.78 | 6.80 | 6.82 | 6.60 | 6.82 |
| 11. | 6.51 | 7.02 | 6.85 | 6.82 | 6.65 | 6.87 | 6.85 | 6.71 | 6.82 | 6.64 | 6.71 | 6.89 |
| 16. | 6.58 | 6.94 | 6.87 | 6.89 | 6.93 | 6.85 | 6.78 | 6.67 | 6.74 | 6.73 | 6.73 | 6.82 |
| 21. | 6.60 | 6.83 | 7.02 | 6.69 | 6.76 | 6.82 | 6.78 | 6.82 | 6.74 | 6.64 | 6.78 | 6.98 |
| 26. | 6.67 | 7.02 | 6.91 | 6.65 | 6.69 | 6.83 | 6.80 | 6.82 | 6.82 | 6.78 | 6.64 | 6.82 |
| M 14 ^h | 6.60 | 6.90 | 6.94 | 6.80 | 6.72 | 6.87 | 5.82 | 6.77 | 6.79 | 6.74 | 6.68 | 6.84 |

OBSERVATIONS IN THE DEPTH AT Utö
59°46'58"N, 21°22'42"E

| m | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ |
|------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|
| 1961 | | | | | | | | | |
| | Jun. 21 | Feb. 24 | Mar. 16 | Apr. 5 | Apr. 12 | Apr. 21 | May 1 | May 13 | Jun. 6 |
| 0 | 2.1 6.58 | 2.0 6.82 | 2.1 6.83 | 2.9 6.91 | 2.4 6.85 | 2.9 6.73 | 4.7 6.53 | 5.8 6.73 | 14.2 6.94 |
| 5 | 2.3 6.58 | 2.0 6.85 | 2.1 6.83 | 2.8 6.94 | 2.4 6.85 | 2.9 6.73 | 4.5 6.58 | 5.3 6.73 | 13.0 6.98 |
| 10 | 2.4 6.65 | 2.0 6.87 | 2.2 6.85 | 2.4 7.00 | 2.4 6.85 | 2.8 6.73 | 4.2 6.67 | 5.3 6.76 | 10.2 6.98 |
| 15 | 2.8 6.73 | 2.2 6.91 | 2.2 6.87 | 2.3 7.05 | 2.4 6.85 | 2.8 6.80 | 4.0 6.67 | 5.2 6.85 | 9.2 6.96 |
| 20 | 3.0 6.80 | 2.6 7.02 | 2.2 6.89 | 2.5 7.09 | 2.5 6.91 | 2.8 6.83 | 4.0 6.69 | 5.0 6.96 | 8.6 6.96 |
| 30 | 4.1 7.12 | 3.5 7.34 | 2.3 6.96 | 2.5 7.14 | 2.5 7.11 | 2.8 6.94 | 3.3 7.05 | 4.2 7.05 | 5.8 6.98 |
| 40 | 4.2 7.23 | 3.7 7.41 | 2.4 6.98 | 2.6 7.21 | 2.6 7.12 | 2.7 7.12 | 3.2 7.16 | 3.8 7.16 | 4.7 6.98 |
| 50 | 4.0 7.27 | 3.8 7.43 | 2.6 7.07 | 2.6 7.29 | 2.6 7.20 | 2.7 7.14 | 3.0 7.20 | 3.2 7.23 | 4.6 7.12 |
| 60 | 4.4 7.32 | 4.0 7.48 | 2.7 7.12 | 2.7 7.30 | 2.7 7.25 | 2.7 7.14 | 3.0 7.23 | 3.2 7.25 | 4.0 7.20 |
| 70 | 4.5 7.32 | 4.0 7.48 | 2.8 7.30 | 2.8 7.36 | 2.7 7.30 | 2.8 7.23 | 2.9 7.25 | 3.1 7.29 | 3.5 7.23 |
| 80 | 4.6 7.36 | 3.9 7.48 | 3.0 7.36 | 3.0 7.36 | 2.8 7.34 | 2.8 7.27 | 3.0 7.27 | 3.1 7.29 | 3.3 7.30 |
| 90 | 4.6 7.38 | 3.4 7.52 | 3.0 7.38 | 3.0 7.38 | 2.8 7.38 | 2.9 7.30 | 3.0 7.27 | 3.1 7.29 | 3.1 7.34 |
| | Jun. 11 | Jul. 2 | Jul. 13 | Aug. 24 | Oct. 2 | Oct. 16 | Nov. 23 | | |
| 0 | 15.1 6.93 | 13.4 6.85 | 16.2 6.85 | 13.0 6.82 | 12.7 6.82 | 11.9 6.60 | 7.0 6.64 | | |
| 5 | 14.0 6.94 | 11.6 6.91 | 15.6 6.85 | 11.8 6.85 | 12.5 6.82 | 11.9 6.64 | 7.2 6.64 | | |
| 10 | 13.7 6.96 | 11.2 6.91 | 14.0 6.89 | 10.8 6.91 | 12.2 6.85 | 11.8 6.64 | 7.2 6.64 | | |
| 15 | 9.0 6.96 | 8.9 6.91 | 10.7 6.91 | 9.6 6.98 | 12.2 6.85 | 11.8 6.64 | 7.2 6.64 | | |
| 20 | 7.4 6.98 | 7.0 6.91 | 8.0 6.94 | 8.9 7.02 | 12.1 6.85 | 11.2 6.64 | 7.0 6.98 | | |
| 30 | 6.8 6.98 | 5.1 7.00 | 7.1 7.05 | 6.2 7.05 | 12.0 6.85 | 10.9 6.83 | 7.7 6.73 | | |
| 40 | 5.4 7.03 | 4.8 7.21 | 5.8 7.11 | 7.4 7.07 | 11.8 6.85 | 9.0 7.02 | 7.9 6.74 | | |
| 50 | 4.6 7.14 | 4.2 7.38 | 4.5 7.32 | 6.3 7.12 | 11.1 6.94 | 8.8 7.05 | 8.6 6.78 | | |
| 60 | 4.0 7.23 | 4.0 7.45 | 4.2 7.34 | 6.2 7.16 | 8.2 7.09 | 7.4 7.09 | 8.4 6.89 | | |
| 70 | 4.8 7.20 | 3.8 7.45 | 4.0 7.48 | 6.0 7.16 | 7.4 7.14 | 7.0 7.12 | 8.3 6.89 | | |
| 80 | 3.9 7.32 | 3.6 7.50 | 4.0 7.45 | 5.1 7.18 | 6.8 7.18 | 6.8 7.16 | 8.0 7.00 | | |
| 90 | 3.6 7.27 | 3.4 7.50 | 3.9 7.47 | 4.8 7.20 | 6.6 7.20 | 6.7 7.16 | 8.0 7.02 | | |

| SURFACE OBSERVATIONS AT Jungfruskär 60°08'31"N, 21°04'20"E Observer(s): H.J. Blomqvist Year: 1961 Temperature, 14 ^h | | | | | | | | | | | | |
|--|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 2.0 | 1.3 | 1.7 | 2.5 | 7.6 | 15.3 | 13.8 | 16.5 | 14.8 | 13.1 | 10.0 | 4.6 |
| 2. | 2.8 | 1.0 | 1.5 | 3.0 | 7.0 | 15.5 | 15.0 | 17.0 | 14.8 | 13.2 | 10.0 | 4.7 |
| 3. | 2.3 | 1.0 | 1.5 | 3.2 | 7.0 | 15.6 | 14.5 | 16.0 | 14.3 | 13.4 | 10.2 | 4.6 |
| 4. | 2.0 | 1.0 | 1.7 | 3.0 | 7.0 | 16.4 | 14.1 | 15.0 | 14.0 | 13.3 | 10.0 | 4.5 |
| 5. | 2.0 | 0.8 | 1.8 | 2.8 | 7.0 | 17.0 | 15.0 | 14.5 | 13.0 | 13.1 | 9.8 | 4.5 |
| 6. | 2.0 | 0.2 | 2.0 | 2.5 | 7.3 | 18.0 | 14.3 | 14.8 | 12.7 | 12.7 | 9.5 | 4.3 |
| 7. | 1.0 | 1.2 | 1.8 | 2.2 | 7.4 | 18.0 | 15.6 | 15.4 | 12.8 | 12.4 | 9.0 | 4.3 |
| 8. | 1.0 | 1.0 | 1.5 | 2.3 | 7.0 | 19.2 | 16.4 | 15.5 | 12.8 | 12.2 | 8.0 | 4.1 |
| 9. | 0.5 | 0.8 | 1.8 | 2.3 | 7.0 | 19.0 | 16.4 | 15.5 | 13.0 | 12.0 | 7.8 | 4.0 |
| 10. | 0.5 | 0.7 | 1.8 | 2.2 | 7.3 | 18.0 | 17.0 | 15.7 | 13.0 | 12.0 | 7.8 | 3.0 |
| 11. | 2.0 | 1.0 | 1.8 | 2.3 | 6.5 | 16.5 | 17.2 | 16.0 | 13.5 | 12.2 | 7.7 | 2.8 |
| 12. | 1.8 | 1.2 | 2.0 | 2.5 | 7.0 | 18.2 | 17.2 | 16.0 | 14.0 | 12.3 | 7.5 | 2.2 |
| 13. | 2.0 | 1.4 | 2.0 | 2.6 | 7.4 | 18.5 | 17.2 | 16.3 | 14.0 | 12.0 | 7.3 | 1.5 |
| 14. | 2.1 | 1.5 | 1.8 | 3.0 | 7.6 | 18.0 | 17.0 | 16.8 | 14.0 | 12.0 | 7.3 | 1.0 |
| 15. | 2.0 | 1.7 | 1.5 | 3.0 | 8.0 | 17.7 | 17.0 | 16.5 | 14.0 | 11.7 | 7.0 | 0.5 |
| 16. | 1.3 | 1.5 | 1.5 | 4.0 | 8.0 | 17.9 | 17.6 | 16.3 | 13.8 | 11.9 | 7.0 | 1.0 |
| 17. | 0.3 | 1.5 | 2.0 | 3.8 | 8.5 | 16.8 | 18.0 | 16.2 | 13.8 | 11.7 | 7.0 | 2.0 |
| 18. | 1.7 | 1.8 | 1.5 | 4.2 | 9.0 | 15.0 | 19.0 | 16.0 | 13.6 | 11.6 | 6.0 | 1.9 |
| 19. | 1.6 | 1.2 | 1.0 | 5.5 | 9.0 | 14.5 | 19.1 | 15.5 | 13.0 | 11.6 | 6.0 | 1.7 |
| 20. | 1.4 | 1.6 | 1.0 | 5.0 | 9.0 | 14.0 | 19.1 | 15.5 | 13.0 | 11.5 | 6.0 | 1.0 |
| 21. | 1.0 | 1.5 | 1.2 | 4.5 | 9.2 | 14.1 | 18.0 | 15.0 | 13.2 | 11.0 | 6.0 | 0.5 |
| 22. | 0.3 | 1.4 | 1.4 | 5.0 | 9.6 | 13.0 | 16.4 | 14.2 | 13.2 | 10.8 | 5.8 | 0.0 |
| 23. | 0.0 | 1.4 | 1.4 | 5.3 | 10.0 | 12.4 | 15.2 | 14.5 | 13.3 | 10.9 | 5.8 | -0.2 |
| 24. | 0.0 | 1.0 | 1.5 | 6.0 | 11.0 | 12.4 | 16.0 | 14.8 | 13.3 | 11.0 | 5.6 | -0.2 |
| 25. | -0.2 | 0.8 | 1.5 | 7.5 | 11.0 | 12.5 | 16.5 | 14.5 | 13.1 | 10.9 | 5.6 | -0.2 |
| 26. | -0.2 | 1.0 | 1.7 | 7.0 | 11.0 | 13.0 | 15.5 | 15.0 | 13.0 | 11.0 | 5.7 | 0.0 |
| 27. | 0.4 | 1.5 | 1.7 | 7.0 | 11.1 | 13.0 | 15.6 | 14.7 | 13.0 | 11.0 | 5.0 | 0.0 |
| 28. | 0.7 | 1.5 | 1.7 | 6.5 | 11.3 | 13.3 | 16.0 | 14.4 | 13.0 | 11.2 | 5.0 | 0.1 |
| 29. | 1.0 | | 1.6 | 6.5 | 11.4 | 13.4 | 16.0 | 14.7 | 13.0 | 11.0 | 4.2 | 0.5 |
| 30. | 1.3 | | 1.6 | 6.8 | 11.7 | 13.5 | 16.0 | 14.9 | 13.1 | 10.8 | 4.2 | 1.0 |
| 31. | 1.3 | | 2.2 | | 14.0 | | 16.3 | 14.8 | | 10.5 | | 1.2 |
| M 8 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 ^h | 1.22 | 1.20 | 1.64 | 4.13 | 8.80 | 15.66 | 16.39 | 15.44 | 13.44 | 11.81 | 7.13 | 1.96 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 6.35 | 6.49 | 6.44 | 6.26 | 6.08 | 6.20 | 6.60 | 6.73 | 6.78 | 6.78 | 6.71 | 6.49 |
| 6. | 6.33 | 6.47 | 6.47 | 6.26 | 6.08 | 6.31 | 6.53 | 6.78 | 6.76 | 6.69 | 6.60 | 6.56 |
| 11. | 6.42 | 6.47 | 6.33 | 6.04 | 6.11 | 6.28 | 6.53 | 6.83 | 6.64 | 6.73 | 6.62 | 6.58 |
| 16. | 6.47 | 6.56 | 6.15 | 6.17 | 6.29 | 6.53 | 6.64 | 6.74 | 6.58 | 6.71 | 6.51 | 6.49 |
| 21. | 6.44 | 6.60 | 6.20 | 6.06 | 6.11 | 6.53 | 6.17 | 6.49 | 6.76 | 6.71 | 6.46 | 6.33 |
| 26. | 6.46 | 6.55 | 6.31 | 6.06 | 6.13 | 6.55 | 6.65 | 6.78 | 6.76 | 6.71 | 6.49 | 6.47 |
| M 14 ^h | 6.41 | 6.52 | 6.32 | 6.14 | 6.13 | 6.40 | 6.52 | 6.72 | 6.71 | 6.72 | 6.56 | 6.49 |

OBSERVATIONS IN THE DEPTH AT Jungfruskär
60°08'31"N, 21°04'20"E

| m | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1961 | | | | | | | | | |
| | Jan. 2 | Jan. 11 | Jan. 21 | Feb. 1 | Feb. 12 | Feb. 22 | Mar. 1 | Mar. 12 | Mar. 21 |
| 0 | 3.4 6.40 | 3.0 6.47 | 1.4 6.46 | 1.2 6.47 | 1.4 6.56 | 1.0 6.56 | 1.0 6.47 | 1.4 6.24 | 1.4 6.33 |
| 5 | 3.4 6.40 | 3.0 6.47 | 1.4 6.46 | 1.2 6.47 | 1.4 6.56 | 1.0 6.56 | 1.0 6.47 | 1.4 6.24 | 1.4 6.35 |
| 10 | 3.6 6.42 | 3.0 6.47 | 2.0 6.46 | 1.2 6.49 | 1.4 6.56 | 1.0 6.56 | 1.0 6.49 | 1.4 6.29 | 1.4 6.37 |
| 15 | 3.6 6.42 | 3.0 6.47 | 2.2 6.47 | 1.2 6.47 | 1.4 - | 1.4 6.58 | 1.2 6.56 | 1.4 6.44 | 1.4 6.38 |
| 20 | 3.6 6.42 | 3.0 6.47 | 2.2 6.47 | 1.2 6.47 | 1.4 6.56 | 1.4 6.60 | 1.2 6.56 | 1.4 6.49 | 1.4 6.40 |
| 30 | 4.0 6.49 | 3.0 6.47 | 2.2 6.47 | 1.2 6.47 | 1.4 6.56 | 1.4 6.60 | 1.2 6.56 | 1.4 6.49 | 1.4 6.40 |
| 40 | 4.0 6.49 | 3.0 6.46 | 2.2 6.46 | 1.2 6.47 | 1.4 6.56 | 1.4 6.60 | 1.2 6.56 | 1.4 6.49 | 1.4 6.40 |
| | Apr. 1 | Apr. 11 | Apr. 21 | May 1 | May 12 | May 22 | Jun. 1 | Jun. 11 | Jun. 23 |
| 0 | 1.4 6.35 | 1.8 6.08 | 2.6 6.11 | 4.2 6.06 | 4.8 6.20 | 7.4 6.15 | 11.2 6.29 | 15.8 6.26 | 11.0 6.55 |
| 5 | 1.4 6.35 | 1.8 6.08 | 2.6 6.13 | 4.1 6.08 | 4.8 6.20 | 6.6 6.17 | 9.6 6.29 | 14.4 6.33 | 10.8 6.55 |
| 10 | 1.4 6.35 | 1.8 6.11 | 2.6 6.19 | 4.0 6.08 | 4.8 6.22 | 6.6 6.17 | 7.8 6.29 | 9.0 6.37 | 10.8 6.55 |
| 15 | 1.4 6.37 | 1.8 6.19 | 2.6 6.22 | 3.8 6.08 | 4.2 6.26 | 6.2 6.19 | 6.6 6.40 | 6.6 6.38 | 10.6 6.56 |
| 20 | 1.4 6.38 | 1.8 6.29 | 2.4 6.24 | 3.8 6.15 | 4.2 6.33 | 3.6 6.49 | 5.0 6.56 | 5.0 6.60 | 6.4 6.65 |
| 30 | 1.4 6.40 | 1.8 6.42 | 2.4 6.42 | 3.2 6.33 | 3.2 6.44 | 3.2 6.62 | 4.2 6.67 | 4.2 6.71 | 5.8 6.69 |
| 40 | 1.4 6.40 | 1.6 6.47 | 2.0 6.56 | 3.2 6.49 | 3.0 6.47 | 3.5 6.74 | 3.8 6.71 | 4.0 6.78 | 5.2 6.73 |
| | Jul. 1 | Jul. 11 | Jul. 23 | Aug. 1 | Aug. 11 | Aug. 21 | Sep. 2 | Sep. 11 | Sep. 21 |
| 0 | 11.6 6.58 | 14.8 6.60 | 14.8 6.60 | 15.4 6.71 | 15.0 6.82 | 13.4 6.80 | 14.0 6.80 | 13.4 6.73 | 12.8 6.76 |
| 5 | 11.0 6.60 | 14.4 6.58 | 14.8 6.62 | 15.4 6.74 | 15.0 6.82 | 13.4 6.80 | 14.0 6.80 | 13.2 6.73 | 12.8 6.76 |
| 10 | 10.8 6.60 | 14.2 6.58 | 14.6 6.62 | 15.0 6.76 | 14.6 6.82 | 13.2 6.80 | 13.2 6.80 | 13.2 6.74 | 12.8 6.76 |
| 15 | 10.0 6.62 | 11.2 6.65 | 14.4 6.62 | 13.8 6.78 | 14.0 6.80 | 13.2 6.80 | 13.0 6.83 | 13.2 6.76 | 12.8 6.76 |
| 20 | 8.6 6.69 | 10.0 6.67 | 12.0 6.67 | 13.0 6.76 | 13.0 6.80 | 13.2 6.80 | 12.4 6.85 | 13.0 6.78 | 12.8 6.76 |
| 30 | 8.0 6.74 | 7.6 6.71 | 9.4 6.73 | 9.0 6.76 | 10.6 6.78 | 13.2 6.80 | 11.4 6.87 | 13.0 6.78 | 12.8 6.80 |
| 40 | 6.6 6.74 | 7.0 6.76 | 8.2 6.74 | 8.4 6.78 | 9.0 6.78 | 12.6 6.82 | 11.0 6.93 | 12.8 6.80 | 12.8 6.80 |
| | Oct. 1 | Oct. 14 | Nov. 1 | Nov. 12 | Nov. 22 | Dec. 2 | Dec. 11 | Dec. 23 | |
| 0 | 12.8 6.76 | 12.2 6.69 | 10.8 6.69 | 9.2 6.69 | 6.2 6.44 | 5.8 6.49 | 5.0 6.62 | 1.2 6.35 | |
| 5 | 12.8 6.76 | 12.2 6.71 | 10.8 6.69 | 9.2 6.71 | 6.2 6.46 | 5.8 6.49 | 5.2 6.62 | 1.2 6.35 | |
| 10 | 12.6 6.78 | 12.2 6.71 | 10.8 6.69 | 9.2 6.71 | 6.2 6.46 | 5.8 6.49 | 5.2 6.62 | 1.2 6.35 | |
| 15 | 12.6 6.78 | 12.2 6.71 | 10.8 6.69 | 9.2 6.71 | 6.2 6.46 | 5.8 6.49 | 5.2 6.62 | 1.2 6.35 | |
| 20 | 12.6 6.78 | 12.2 6.71 | 10.8 6.69 | 9.2 6.71 | 6.4 6.49 | 5.8 6.51 | 5.2 6.64 | 1.2 6.35 | |
| 30 | 12.6 6.78 | 12.2 6.71 | 10.8 6.71 | 9.2 6.74 | 6.6 6.53 | 5.8 6.51 | 5.4 6.64 | 1.4 6.37 | |
| 40 | 12.6 6.78 | 12.2 6.71 | 10.8 6.73 | 9.2 6.74 | 6.6 6.55 | 5.8 6.51 | 5.4 6.64 | 1.4 6.37 | |

| SURFACE OBSERVATIONS AT Lohm 60°06'38"N, 21°40'42"E | | | | | | | | | | | | |
|--|--------------------|-----------------------|-----------------------|--------------------|--------------------------------|------------------------|--------------------------------|--------------------|-------|---|------------------------|--------------------------------|
| Observer(s): J.L. Pettersson | | | | | | | | | | | | |
| Year: 1961 | | | | | | | | | | | | |
| Temperature, 14 ^h | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 2.4 | 1.0 | 1.2 | 1.8 | 5.0 | 13.7 | 14.4 | 15.2 | 16.0 | 13.2 | 10.4 | 5.7 |
| 2. | 2.6 | 1.0 | 1.3 | 2.0 | 5.3 | 14.0 | 14.3 | 15.4 | 15.6 | 12.8 | 10.3 | 5.5 |
| 3. | 2.5 | 1.0 | 1.3 | 2.2 | 5.4 | 15.2 | 14.5 | 15.6 | 15.6 | 12.7 | 10.4 | 5.3 |
| 4. | 2.3 | 1.0 | 1.4 | 2.0 | 5.5 | 16.0 | 14.9 | 15.5 | 15.0 | 12.5 | 10.2 | 5.1 |
| 5. | 2.2 | 1.0 | 1.5 | 1.9 | 5.6 | 16.8 | 14.3 | 15.2 | 14.6 | 12.6 | 9.8 | 5.0 |
| 6. | 1.9 | 1.0 | 1.5 | 2.0 | 5.8 | 17.0 | 14.0 | 14.8 | 14.0 | 12.8 | 9.6 | 4.8 |
| 7. | 2.2 | 1.2 | 1.7 | 2.0 | 6.0 | 16.8 | 14.9 | 15.4 | 13.8 | 12.7 | 9.5 | 4.6 |
| 8. | 2.0 | 1.1 | 1.8 | 2.2 | 6.0 | 16.2 | 15.3 | 16.0 | 13.5 | 12.6 | 9.4 | 4.4 |
| 9. | 2.0 | 0.8 | 1.9 | 2.3 | 6.2 | 16.8 | 15.2 | 16.1 | 12.6 | 12.6 | 9.0 | 4.5 |
| 10. | 1.8 | 0.8 | 1.8 | 2.4 | 6.5 | 17.7 | 15.5 | 16.2 | 12.8 | 12.6 | 8.8 | 4.2 |
| 11. | 1.8 | 0.8 | 1.6 | 2.4 | 6.8 | 17.6 | 15.8 | 16.5 | 13.0 | 12.4 | 8.6 | 3.9 |
| 12. | 2.0 | 0.8 | 1.5 | 2.5 | 7.2 | 18.0 | 16.4 | 16.8 | 13.0 | 12.2 | 8.4 | 3.3 |
| 13. | 2.0 | 0.7 | 1.5 | 2.6 | 7.3 | 18.3 | 16.6 | 17.3 | 13.3 | 12.0 | 8.2 | 2.4 |
| 14. | 1.9 | 0.8 | 1.5 | 2.5 | 7.4 | 18.2 | 16.0 | 17.0 | 13.6 | 11.8 | 8.0 | 2.0 |
| 15. | 1.8 | 0.9 | 1.5 | 3.0 | 7.9 | 18.0 | 17.0 | 16.8 | 13.4 | 11.8 | 7.8 | 1.8 |
| 16. | 1.5 | 1.2 | 2.0 | 3.4 | 8.3 | 17.5 | 17.0 | 16.5 | 13.8 | 11.8 | 7.5 | 2.3 |
| 17. | 1.5 | 1.3 | 2.3 | 3.6 | 8.5 | 17.2 | 17.4 | 16.3 | 13.7 | 11.8 | 7.0 | 2.5 |
| 18. | 1.6 | 1.3 | 2.2 | 4.2 | 8.4 | 16.4 | 17.8 | 16.5 | 13.6 | 11.7 | 6.5 | 2.8 |
| 19. | 1.4 | 1.5 | 1.8 | 4.1 | 8.3 | 15.2 | 17.8 | 16.2 | 13.3 | 11.8 | 6.3 | 2.6 |
| 20. | 1.2 | 1.2 | 2.0 | 4.0 | 8.0 | 14.6 | 18.3 | 15.5 | 12.7 | 11.8 | 6.7 | 2.2 |
| 21. | 0.9 | 1.0 | 2.0 | 4.4 | 8.2 | 14.3 | 17.4 | 15.2 | 12.8 | 11.8 | 6.6 | 2.0 |
| 22. | 0.8 | 1.0 | 1.8 | 4.3 | 8.4 | 14.3 | 15.3 | 15.0 | 13.0 | 11.7 | 6.5 | 1.5 |
| 23. | 0.7 | 0.9 | 1.8 | 4.4 | 8.5 | 14.2 | 15.3 | 15.0 | 13.5 | 11.6 | 6.4 | 1.6 |
| 24. | 0.8 | 0.7 | 1.7 | 4.7 | 8.4 | 14.2 | 15.1 | 15.2 | 13.3 | 11.4 | 6.2 | 1.8 |
| 25. | 0.8 | 0.8 | 1.7 | 4.8 | 8.9 | 14.3 | 14.9 | 15.0 | 13.2 | 11.2 | 6.2 | 1.6 |
| 26. | 0.6 | 0.9 | 1.9 | 5.0 | 9.3 | 14.2 | 14.8 | 14.8 | 12.8 | 11.0 | 6.0 | 1.4 |
| 27. | 0.8 | 1.0 | 2.0 | 5.2 | 9.8 | 14.0 | 14.9 | 15.0 | 12.7 | 11.2 | 5.7 | 1.2 |
| 28. | 1.0 | 1.0 | 1.5 | 5.0 | 10.4 | 14.0 | 14.9 | 15.2 | 12.5 | 11.0 | 5.5 | 1.4 |
| 29. | 1.1 | | 1.7 | 4.7 | 10.6 | 14.2 | 15.3 | 15.4 | 12.0 | 10.8 | 5.4 | 1.5 |
| 30. | 1.2 | | 1.6 | 4.8 | 12.0 | 14.3 | 16.5 | 15.5 | 12.2 | 10.6 | 5.6 | 1.7 |
| 31. | 0.8 | | 1.7 | | 12.3 | | 16.4 | 15.8 | | 10.4 | | 2.0 |
| M 8 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 ^h | 1.55 | 0.99 | 1.70 | 3.35 | 7.81 | 15.77 | 15.75 | 15.74 | 13.49 | 11.90 | 7.75 | 2.99 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| I. | 6.17 ¹⁾ | 6.31 ¹⁾ | 6.33 ¹⁾ | 6.38 | 6.26 ¹⁾ | 6.35 | 6.51 ¹⁾ | - | 6.51 | 6.55 ¹⁾ | 6.62 | 6.55 ¹⁾ |
| 6. | 6.11 | 6.33 | 6.28 | 6.20 | 6.22 | 6.28 | 6.51 | 6.47 | 6.46 | 6.64 | 6.67 | 6.64 |
| 11. | 6.13 | 6.29 | 6.31 | 6.28 ¹⁾ | 6.19 ²⁾ | 6.42 ¹⁾ | 6.58 ²⁾ | 6.51 ¹⁾ | 6.62 | 6.67 ²⁾ | 6.62 ¹⁾ | 6.47 ²⁾ |
| 16. | 6.15 | 6.31 | 6.44 | 6.08 | 6.11 | 6.46 | 6.40 | 6.51 | 6.56 | 6.60 | 6.53 | 6.53 |
| 21. | 6.19 | 6.28 ²⁾ | 6.42 ²⁾ | 6.09 | 6.20 ³⁾ | 6.47 ²⁾ | 6.65 ³⁾ | 6.51 | 6.60 | 6.62 ³⁾ | 6.55 ²⁾ | 6.65 ³⁾ |
| 26. | 6.22 | 6.26 | 6.38 | 6.08 | 6.15 | 6.51 | 5.97 | 6.58 | 6.51 | 6.58 | 6.46 | 6.69 |
| M 14 ^h | 6.16 1) 2 | 6.30 1) 3 2) 24 | 6.36 1) 2 2) 22 | 6.18 1) 12 | 6.19 1) 2 2) 10 3) 23 | 6.42 1) 12 2) 23 | 6.44 1) 2 2) 13 3) 23 | 6.51 1) 12 | 6.54 | 6.61 1) 2 2) 14 3) 25 4) 27 | 6.58 1) 13 2) 22 | 6.59 1) 2 2) 12 3) 23 |

OBSERVATIONS IN THE DEPTH AT Lohm
60°06'38"N, 21°40'42"E

| m | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1961 | | | | | | | | |
| | Jan. 2 | Jan. 11 | Jan. 21 | Feb. 3 | Feb. 11 | Feb. 24 | Mar. 2 | Mar. 12 | Mar. 22 |
| 0 | 2.8 6.17 | 2.0 6.17 | 1.0 6.19 | 1.2 6.29 | 1.0 6.28 | 0.8 6.28 | 1.5 6.29 | 1.6 6.29 | 1.8 6.46 |
| 5 | 3.0 6.28 | 2.0 6.17 | 1.2 6.19 | 1.4 6.29 | 1.0 6.29 | 1.0 6.28 | 1.6 6.29 | 1.6 6.29 | 1.8 6.56 |
| 10 | 3.0 6.22 | 2.0 6.17 | 1.4 6.19 | 1.4 6.29 | 1.0 6.29 | 1.0 6.26 | 1.6 6.29 | 1.6 6.31 | 2.0 6.46 |
| 15 | 3.0 6.19 | 2.5 6.19 | 1.6 6.20 | 1.4 6.29 | 1.0 6.29 | 1.0 6.40 | 1.6 6.33 | 1.6 6.31 | 2.0 6.46 |
| 20 | 3.0 6.22 | 2.5 6.19 | 1.6 6.20 | 1.6 6.31 | 1.0 6.29 | 1.4 6.64 | 1.6 6.33 | 1.6 6.31 | 2.0 6.46 |
| 30 | 3.0 6.19 | 2.5 6.19 | 2.0 6.20 | 1.6 6.31 | 1.0 6.29 | 1.8 6.76 | 2.0 6.31 | 1.8 6.31 | 2.0 6.47 |
| 40 | 3.2 6.19 | 2.5 6.19 | 2.2 6.24 | 1.6 6.31 | 1.0 6.31 | 1.8 6.83 | 2.0 6.31 | 1.8 6.31 | 2.0 6.47 |
| 50 | 3.2 6.28 | 2.5 6.19 | 2.2 6.31 | 1.6 6.31 | 1.0 6.33 | 1.8 6.83 | 2.0 6.31 | 1.8 6.31 | 2.0 6.47 |
| | Apr. 1 | Apr. 12 | Apr. 21 | May 2 | May 10 | May 23 | Jun. 1 | Jun. 12 | Jun. 23 |
| 0 | 1.8 6.42 | 2.2 6.31 | 4.0 6.11 | 4.8 6.28 | 6.4 6.29 | 8.4 6.33 | 12.8 6.40 | 18.0 6.40 | 14.0 6.47 |
| 5 | 1.8 6.44 | 2.0 6.55 | 3.0 6.11 | 4.6 6.28 | 6.2 6.31 | 8.2 6.55 | 12.4 6.44 | 14.5 6.20 | 13.6 6.49 |
| 10 | 1.6 6.46 | 2.0 6.62 | 3.0 6.15 | 4.2 6.29 | 5.8 6.37 | 7.6 6.71 | 10.7 6.42 | 10.5 6.37 | 12.0 6.51 |
| 15 | 1.6 6.46 | 2.0 6.62 | 3.0 6.26 | 4.0 6.31 | 5.8 6.40 | 4.2 6.69 | 8.0 6.47 | 14.0 6.47 | 11.6 6.58 |
| 20 | 1.6 6.46 | 2.0 6.62 | 3.0 6.60 | 3.8 6.33 | 5.3 6.44 | 3.8 6.76 | 6.0 6.96 | 12.7 6.55 | 9.0 6.51 |
| 30 | 1.8 6.47 | 2.0 6.65 | 2.8 6.64 | 3.6 6.44 | 5.4 6.22 | 3.7 6.78 | 4.5 6.73 | 4.5 6.73 | 6.8 6.49 |
| 40 | 1.8 6.55 | 2.0 6.67 | 2.6 6.71 | 3.0 6.62 | 3.0 6.69 | 3.5 6.80 | 4.0 6.76 | 4.0 6.74 | 5.4 6.49 |
| 50 | 1.8 6.58 | 2.0 6.73 | 2.5 6.74 | 3.0 6.73 | 2.8 6.73 | 3.4 6.80 | 3.6 6.78 | 4.0 6.74 | 5.2 6.53 |
| | Jul. 2 | Jul. 13 | Aug. 12 | Aug. 21 | Sep. 1 | Sep. 11 | Sep. 21 | Oct. 2 | Oct. 14 |
| 0 | 14.0 6.51 | 16.2 6.55 | 16.5 6.53 | 15.0 6.51 | 15.6 6.51 | 13.2 6.69 | 13.0 6.64 | 13.0 6.55 | 12.0 6.64 |
| 5 | 14.0 6.51 | 16.0 6.55 | 16.2 6.65 | 14.6 6.64 | 15.0 6.55 | 13.2 6.71 | 13.2 6.64 | 13.0 6.55 | 12.0 6.62 |
| 10 | 13.5 6.51 | 14.8 6.55 | 15.0 6.71 | 13.5 6.64 | 14.0 6.62 | 13.2 6.71 | 13.0 6.65 | 13.0 6.55 | 12.0 6.69 |
| 15 | 11.8 6.51 | 12.0 6.60 | 12.2 6.71 | 12.6 6.73 | 13.6 6.78 | 13.2 6.71 | 12.8 6.65 | 13.0 6.55 | 12.0 6.69 |
| 20 | 8.6 6.49 | 9.8 6.67 | 11.0 6.74 | 11.6 6.82 | 12.2 6.83 | 12.6 6.73 | 12.6 6.69 | 13.0 6.53 | 12.0 6.73 |
| 30 | 7.0 6.49 | 7.8 6.71 | 10.6 6.80 | 10.5 6.83 | 10.6 6.83 | 11.0 6.85 | 12.4 6.69 | 12.8 6.53 | 12.0 6.71 |
| 40 | 6.4 6.49 | 7.2 6.71 | 9.8 6.85 | 10.0 6.87 | 10.4 6.83 | 10.6 6.85 | 11.8 6.76 | 12.6 6.55 | 12.0 6.74 |
| 50 | 6.4 6.49 | 7.0 6.73 | 9.4 6.83 | 9.8 6.87 | 10.0 6.85 | 10.4 6.85 | 11.4 6.78 | 12.4 6.55 | 12.0 6.76 |
| | Oct. 25 | Nov. 1 | Nov. 13 | Nov. 22 | Dec. 2 | | | | |
| 0 | 11.2 6.60 | 10.4 6.62 | 8.4 6.58 | 6.6 6.46 | 5.6 6.69 | | | | |
| 5 | 11.2 6.60 | 10.4 6.62 | 8.4 6.58 | 6.6 6.56 | 6.0 6.65 | | | | |
| 10 | 11.2 6.62 | 10.4 6.62 | 8.4 6.58 | 6.6 6.64 | 6.2 6.65 | | | | |
| 15 | 11.2 6.65 | 10.2 6.60 | 8.2 6.62 | 6.6 6.65 | 6.2 6.65 | | | | |
| 20 | 11.2 6.65 | 10.2 6.64 | 8.0 6.62 | 6.8 6.65 | 6.2 6.67 | | | | |
| 30 | 11.2 6.67 | 10.2 6.69 | 8.0 6.62 | 6.8 6.65 | 6.2 6.67 | | | | |
| 40 | 11.4 6.69 | 10.2 6.74 | 8.0 6.62 | 7.0 6.69 | 6.4 6.67 | | | | |
| 50 | 11.4 6.73 | 10.2 6.74 | 8.0 6.64 | 7.2 6.69 | 6.5 6.69 | | | | |

| SURFACE OBSERVATIONS AT Bengtskär 59°43'24"N, 22°30'10"E Observer(s): E. Laine Year: 1961 Temperature, 14 ^h | | | | | | | | | | | | |
|--|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 2.6 | 1.9 | 1.8 | 2.4 | 4.6 | 9.5 | 12.8 | 15.0 | 15.3 | 13.2 | 10.9 | 6.4 |
| 2. | 2.6 | 1.8 | 2.0 | 2.2 | 6.5 | 10.1 | 13.1 | 14.8 | 14.2 | 13.1 | 10.9 | 6.2 |
| 3. | 2.5 | 1.8 | 2.1 | 2.6 | 5.1 | 11.2 | 13.0 | 14.5 | 14.1 | 13.2 | 11.1 | 6.4 |
| 4. | 2.5 | 1.7 | 2.1 | 2.5 | 4.3 | 12.3 | 12.8 | 14.4 | 14.2 | 13.3 | 10.6 | 6.3 |
| 5. | 2.6 | 1.6 | 2.2 | 2.5 | 4.4 | 12.1 | 13.9 | 14.0 | 14.4 | 13.1 | 10.6 | 6.2 |
| 6. | 2.4 | 1.7 | 2.2 | 2.4 | 4.6 | 15.6 | 11.2 | 14.5 | 13.9 | 12.9 | 10.6 | 6.3 |
| 7. | 2.5 | 1.8 | 2.3 | 2.4 | 4.7 | 15.0 | 12.0 | 15.2 | 13.1 | 13.0 | 10.2 | 6.0 |
| 8. | 2.4 | 1.7 | 2.1 | 2.6 | 4.7 | 16.0 | 13.8 | 15.3 | 13.2 | 12.6 | 10.1 | 6.2 |
| 9. | 2.2 | 1.6 | 2.3 | 2.6 | 4.8 | 14.1 | 14.1 | 15.5 | 12.9 | 12.7 | 10.0 | 6.0 |
| 10. | 1.9 | 1.7 | 2.5 | 2.4 | 4.2 | 14.8 | 14.4 | 16.2 | 13.1 | 12.8 | 9.6 | 5.9 |
| 11. | 2.2 | 1.8 | 2.6 | 2.4 | 4.6 | 15.8 | 14.4 | 16.1 | 13.6 | 12.7 | 9.6 | 5.4 |
| 12. | 1.8 | 2.0 | 2.5 | 2.5 | 5.4 | 16.8 | 14.9 | 16.4 | 13.3 | 12.5 | 9.4 | 5.1 |
| 13. | 2.1 | 2.0 | 2.3 | 2.3 | 4.6 | 16.4 | 15.2 | 16.2 | 13.1 | 12.5 | 9.3 | 4.3 |
| 14. | 2.2 | 2.2 | 2.3 | 2.5 | 5.6 | 16.1 | 15.1 | 15.8 | 13.5 | 12.1 | 9.2 | 3.9 |
| 15. | 2.2 | 2.3 | 2.3 | 2.9 | 6.5 | 15.9 | 15.0 | 15.9 | 13.4 | 12.1 | 9.1 | 3.9 |
| 16. | 1.9 | 2.3 | 2.3 | 3.1 | 6.6 | 17.1 | 16.0 | 15.1 | 13.4 | 12.3 | 8.4 | 3.9 |
| 17. | 1.8 | 2.2 | 2.7 | 3.2 | 6.5 | 17.1 | 16.3 | 16.2 | 14.0 | 12.1 | 8.5 | 4.0 |
| 18. | 2.2 | 2.1 | 2.5 | 3.7 | 6.8 | 13.0 | 16.9 | 16.2 | 13.1 | 12.0 | 8.2 | 4.0 |
| 19. | 2.0 | 2.1 | 2.1 | 2.6 | 6.9 | 11.5 | 17.2 | 15.9 | 13.0 | 11.8 | 8.2 | 4.1 |
| 20. | 1.8 | 2.1 | 2.2 | 3.0 | 7.4 | 11.8 | 17.3 | 13.4 | 13.4 | 12.0 | 8.1 | 4.1 |
| 21. | 1.7 | 2.4 | 2.1 | 3.7 | 7.3 | 11.9 | 16.9 | 11.1 | 12.9 | 12.0 | 8.4 | 3.8 |
| 22. | 1.1 | 2.3 | 2.5 | 3.6 | 8.1 | 12.5 | 11.8 | 11.6 | 13.3 | 11.9 | 8.1 | 2.8 |
| 23. | 1.2 | 2.3 | 2.6 | 3.9 | 9.4 | 12.2 | 14.2 | 12.6 | 13.3 | 11.6 | 8.2 | 2.3 |
| 24. | 0.7 | 2.2 | 2.4 | 4.4 | 1.6 | 10.9 | 14.3 | 12.2 | 13.0 | 10.9 | 8.2 | 2.3 |
| 25. | 0.7 | 2.1 | 2.2 | 4.8 | 6.6 | 9.9 | 14.1 | 12.4 | 13.2 | 11.6 | 7.3 | 2.2 |
| 26. | 0.8 | 2.0 | 2.4 | 6.0 | 7.5 | 10.0 | 13.9 | 13.2 | 13.3 | 11.6 | 7.0 | 2.4 |
| 27. | 0.8 | 2.2 | 2.4 | 5.4 | 8.1 | 11.5 | 14.1 | 14.0 | 13.0 | 11.5 | 6.8 | 1.8 |
| 28. | 1.9 | 2.3 | 2.1 | 4.0 | 8.2 | 11.5 | 13.3 | 13.8 | 13.1 | 11.8 | 6.3 | 2.6 |
| 29. | 2.0 | | 2.3 | 4.0 | 8.6 | 11.6 | 12.9 | 13.7 | 13.2 | 11.7 | 6.3 | 2.5 |
| 30. | 2.5 | | 2.0 | 4.4 | 9.4 | 11.8 | 14.0 | 14.4 | 13.3 | 11.2 | 6.5 | 2.4 |
| 31. | 2.6 | | 1.9 | | 9.3 | | 14.3 | 14.1 | | 10.9 | | 2.4 |
| M 8 ^h | 1.94 | 1.94 | 2.19 | 2.79 | 5.87 | 12.51 | 13.99 | 14.12 | 13.15 | 12.05 | 8.82 | 4.26 |
| 14 ^h | 1.98 | 2.01 | 2.27 | 3.28 | 6.42 | 13.20 | 14.29 | 14.51 | 13.46 | 12.15 | 8.86 | 4.26 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 6.13 | 6.69 | 6.71 | 7.03 | 6.94 | 6.37 | 6.76 | 6.67 | 6.93 | 6.87 | 6.87 | 6.76 |
| 6. | 5.95 | 6.87 | 6.93 | 7.05 | 6.85 | 6.55 | 6.82 | 6.78 | 6.89 | 6.89 | 6.87 | 6.76 |
| 11. | 6.04 | 6.93 | 6.98 | 7.02 | 6.89 | 6.58 | 6.76 | 6.87 | 6.87 | 6.87 | 6.89 | 6.87 |
| 16. | 6.37 | 6.87 | 7.03 | 6.85 | 6.78 | 6.46 | 6.69 | 6.89 | 6.87 | 6.85 | 6.87 | 6.85 |
| 21. | 6.33 | 6.89 | 7.07 | 6.98 | 6.62 | 6.62 | 6.29 | 6.93 | 6.87 | 6.87 | 6.89 | 6.96 |
| 26. | 6.38 | 6.85 | 7.05 | 6.93 | 6.76 | | 6.78 | 6.83 | 6.87 | 6.87 | 6.83 | 6.87 |
| M, 14 ^h | 6.20 | 6.85 | 6.96 | 6.98 | 6.81 | 6.52 | 6.68 | 6.83 | 6.88 | 6.87 | 6.87 | 6.84 |

OBSERVATIONS IN THE DEPTH AT Bengtskär
59°43'24"N, 22°30'10"E

| m | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ | t° S‰ |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1961 | | | | | | | | |
| | Jan. 1 | Jan. 11 | Jan. 21 | Feb. 1 | Feb. 11 | Feb. 21 | Mar. 1 | Mar. 11 | Mar. 22 |
| 0 | 2.7 6.11 | 2.0 6.11 | 1.9 6.47 | 1.8 6.65 | 1.7 6.82 | 2.3 6.89 | 1.8 6.74 | 2.5 6.98 | 2.3 7.05 |
| 5 | 2.7 6.19 | 2.0 6.13 | 1.9 6.46 | 2.0 6.67 | 2.0 6.83 | 2.3 6.91 | 2.0 6.78 | 2.6 6.98 | 2.3 7.05 |
| 10 | 2.8 6.11 | 2.8 6.13 | 2.0 6.46 | 2.2 6.73 | 2.1 6.91 | 2.3 6.91 | 2.4 6.87 | 2.6 6.98 | 2.4 7.05 |
| 15 | 2.8 6.11 | 2.8 6.13 | 2.0 6.46 | 2.7 6.91 | 2.6 6.94 | 2.3 6.93 | 2.5 6.89 | 2.8 7.00 | 2.4 7.07 |
| 20 | 3.0 6.15 | 3.0 6.17 | 2.2 6.47 | 3.0 6.91 | 2.7 6.96 | 2.5 6.89 | 2.5 6.91 | 2.9 7.02 | 2.4 7.09 |
| 30 | 3.0 6.15 | 3.0 6.19 | 4.1 7.11 | 4.2 7.32 | 4.0 7.02 | 3.0 7.11 | 2.9 7.05 | 2.9 7.11 | 2.5 7.09 |
| 40 | 3.0 6.20 | 3.0 7.00 | 4.4 7.25 | 4.5 7.39 | 4.5 6.93 | 3.3 7.18 | 3.1 7.14 | 2.9 7.18 | 2.6 7.09 |
| | Apr. 1 | Apr. 11 | Apr. 21 | May 1 | May 11 | May 21 | Jun. 1 | Jun. 11 | Jun. 21 |
| 0 | 2.3 7.02 | 2.3 7.00 | 3.4 6.96 | 4.3 6.94 | 4.5 6.91 | 7.5 6.67 | 9.5 6.56 | 15.7 6.60 | 12.3 6.62 |
| 5 | 2.3 7.05 | 2.4 7.00 | 3.2 6.96 | 4.0 6.94 | 4.5 6.91 | 7.5 6.69 | 9.4 6.53 | 13.5 6.60 | 12.3 6.64 |
| 10 | 2.3 7.05 | 2.5 7.02 | 3.2 6.96 | 4.0 6.94 | 4.5 6.91 | 7.0 6.69 | 9.2 6.55 | 10.2 6.60 | 11.5 6.64 |
| 15 | 2.3 7.05 | 2.5 7.02 | 3.0 6.98 | 3.9 6.94 | 4.5 6.91 | 6.5 6.69 | 8.3 6.71 | 9.0 6.60 | 11.0 6.64 |
| 20 | 2.4 7.05 | 2.5 7.03 | 3.0 7.00 | 3.9 6.94 | 4.5 6.91 | 5.5 6.87 | 7.5 6.73 | 8.7 6.65 | 8.4 6.64 |
| 30 | 2.4 7.07 | 2.6 7.03 | 3.0 7.00 | 3.9 6.94 | 4.4 6.93 | 5.5 6.87 | 7.1 6.74 | 8.1 6.69 | 6.2 6.73 |
| 40 | 2.5 7.07 | 2.7 7.05 | 3.0 7.00 | 3.8 6.94 | 4.3 6.93 | 5.5 6.87 | 6.5 6.78 | 7.2 6.83 | 5.2 6.87 |
| | Jul. 1 | Jul. 11 | Jul. 22 | Aug. 1 | Aug. 11 | Aug. 22 | Sep. 1 | Sep. 11 | Sep. 21 |
| 0 | 12.7 6.76 | 14.3 6.76 | 11.9 6.83 | 15.0 6.80 | 16.0 6.87 | 11.4 6.89 | 15.3 6.93 | 13.5 6.87 | 13.2 6.87 |
| 5 | 12.5 6.76 | 14.2 6.78 | 11.9 6.82 | 14.4 6.82 | 15.8 6.89 | 11.4 6.89 | 15.1 6.93 | 13.3 6.87 | 13.2 6.87 |
| 10 | 11.6 6.76 | 12.4 6.82 | 11.7 6.80 | 14.0 6.83 | 15.3 6.87 | 11.3 6.89 | 14.8 6.93 | 13.2 6.87 | 13.2 6.87 |
| 15 | 9.6 6.78 | 11.5 6.82 | 11.0 6.83 | 12.5 6.85 | 15.0 6.89 | 11.2 6.89 | 14.2 6.93 | 13.0 6.87 | 3.2 6.87 |
| 20 | 6.0 6.93 | 5.5 6.98 | 8.8 6.93 | 12.1 6.85 | 10.1 6.96 | 11.2 6.89 | 13.4 6.93 | 12.9 6.89 | 13.1 6.89 |
| 30 | 4.3 7.20 | 4.6 7.00 | 6.0 7.00 | 7.7 7.00 | 8.9 6.98 | 10.6 6.93 | 11.2 6.87 | 12.7 6.87 | 12.8 6.87 |
| 40 | 4.0 7.34 | 4.3 7.16 | 5.4 7.03 | 7.4 7.00 | 8.4 7.02 | 7.9 7.02 | 8.0 6.93 | 10.8 6.87 | 12.0 6.87 |
| | Oct. 1 | Oct. 14 | Oct. 21 | Nov. 2 | Nov. 14 | Nov. 22 | Dec. 1 | Dec. 16 | Dec. 23 |
| 0 | 13.2 6.87 | 12.1 6.87 | 12.0 6.87 | 11.0 6.87 | 9.4 6.87 | 8.5 6.87 | 6.4 6.83 | 4.0 6.82 | 2.3 6.87 |
| 5 | 13.1 6.87 | 12.1 6.87 | 12.0 6.87 | 11.6 6.87 | 9.4 6.87 | 8.5 6.89 | 6.5 6.83 | 4.1 6.83 | 3.0 6.89 |
| 10 | 13.0 6.87 | 12.0 6.89 | 11.9 6.87 | 12.0 6.87 | 9.5 6.87 | 8.5 6.89 | 6.5 6.83 | 4.2 6.85 | 3.4 6.89 |
| 15 | 13.0 6.87 | 12.0 6.87 | 12.0 6.87 | 12.0 6.87 | 9.5 6.87 | 8.5 6.89 | 6.5 6.83 | 4.3 6.85 | 3.4 6.87 |
| 20 | 13.0 6.87 | 11.8 6.87 | 12.0 6.87 | 12.0 6.87 | 9.5 6.87 | 8.5 6.89 | 6.5 6.83 | 4.4 6.85 | 3.5 6.87 |
| 30 | 12.8 6.87 | 11.5 6.87 | 12.0 6.93 | 12.0 6.93 | 9.5 6.89 | 8.5 6.89 | 6.5 6.83 | 4.4 6.85 | 3.5 6.89 |
| 40 | 11.9 6.87 | 11.2 6.87 | 12.0 6.93 | 11.9 6.96 | 9.5 6.87 | 8.5 6.89 | 6.5 6.83 | 4.5 6.85 | 3.6 6.87 |

| SURFACE OBSERVATIONS AT Russarö 59°46'33"N, 22°57'05"E | | | | | | | | | | | | |
|---|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
| Observer(s): S. Hotanen | | | | | | | | | | | | |
| Year: 1961 | | | | | | | | | | | | |
| Temperature, 14 ^h | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 2.5 | 1.2 | 1.2 | 2.3 | 5.4 | 12.1 | 13.6 | 14.6 | 14.6 | 12.8 | 9.5 | 5.5 |
| 2. | 2.3 | 1.3 | 1.6 | 2.5 | 5.2 | 11.4 | 15.5 | 14.2 | 15.2 | 13.0 | 10.4 | 5.2 |
| 3. | 2.4 | 1.7 | 2.2 | 3.1 | 5.3 | 12.5 | 13.5 | 14.9 | 13.6 | 13.0 | 10.7 | 5.7 |
| 4. | 2.1 | 1.7 | 2.5 | 2.7 | 5.3 | 12.9 | 14.3 | 15.0 | 14.3 | 12.8 | 10.3 | 4.2 |
| 5. | 2.4 | 0.7 | 2.4 | 2.7 | 6.0 | 15.0 | 12.6 | 15.2 | 13.3 | 12.7 | 9.2 | 5.4 |
| 6. | 2.2 | 1.2 | 2.5 | 2.6 | 5.7 | 16.1 | 13.2 | 15.0 | 12.6 | 12.4 | 9.3 | 5.3 |
| 7. | 2.2 | 1.2 | 2.1 | 2.5 | 5.7 | 17.2 | 13.4 | 17.3 | 12.0 | 12.3 | 9.5 | 4.2 |
| 8. | 2.0 | 1.9 | 2.0 | 3.2 | 5.7 | 16.4 | 14.2 | 17.5 | 13.2 | 12.0 | 9.0 | 4.0 |
| 9. | 1.8 | 0.6 | 2.5 | 3.4 | 6.0 | 15.8 | 15.7 | 17.4 | 13.1 | 11.6 | 8.3 | 4.4 |
| 10. | 2.0 | 0.5 | 2.9 | 3.5 | 7.5 | 15.3 | 15.3 | 18.5 | 13.5 | 12.6 | 8.0 | 4.2 |
| 11. | 2.0 | 1.5 | 2.5 | 3.0 | 7.2 | 16.0 | 15.6 | 17.8 | 13.7 | 12.8 | 7.8 | 3.0 |
| 12. | 1.3 | 1.5 | 2.5 | 2.9 | 7.3 | 18.8 | 15.4 | 16.9 | 13.5 | 12.7 | 6.4 | 3.0 |
| 13. | 1.8 | 1.0 | 2.5 | 2.7 | 6.8 | 16.5 | 17.0 | 16.8 | 14.1 | 12.0 | 7.0 | 3.1 |
| 14. | 1.7 | 1.9 | 2.0 | 3.1 | 6.7 | 16.8 | 15.9 | 18.2 | 13.6 | 12.0 | 8.1 | 2.9 |
| 15. | 1.5 | 1.6 | 2.2 | 3.2 | 9.3 | 16.9 | 16.0 | 16.4 | 13.1 | 12.4 | 7.7 | 2.7 |
| 16. | 0.9 | 1.7 | 2.0 | 5.0 | 8.2 | 17.0 | 18.9 | 16.0 | 14.1 | 12.2 | 7.5 | 2.9 |
| 17. | 0.0 | 1.5 | 2.6 | 6.8 | 9.4 | 17.5 | 18.8 | 15.6 | 13.8 | 11.9 | 6.5 | 2.8 |
| 18. | 1.1 | 1.7 | 2.6 | 3.9 | 9.7 | 14.8 | 18.6 | 16.0 | 14.2 | 11.5 | 7.5 | 2.3 |
| 19. | 1.2 | 1.3 | 2.2 | 4.6 | 7.8 | 13.8 | 17.5 | 15.7 | 13.3 | 11.5 | 7.9 | 3.0 |
| 20. | 0.7 | 1.9 | 1.8 | 4.1 | 7.6 | 16.0 | 17.7 | 14.4 | 13.1 | 11.4 | 7.4 | 3.2 |
| 21. | 1.0 | 1.6 | 1.9 | 4.6 | 9.2 | 12.7 | 17.5 | 13.5 | 12.7 | 11.4 | 7.0 | 3.0 |
| 22. | 0.5 | 1.5 | 2.2 | 5.0 | 9.6 | 13.3 | 14.3 | 14.5 | 13.3 | 11.0 | 6.5 | 3.0 |
| 23. | -0.2 | 1.5 | 2.7 | 4.9 | 9.5 | 12.2 | 16.3 | 14.9 | 13.6 | 10.9 | 6.8 | 2.7 |
| 24. | -0.3 | 1.4 | 2.5 | 4.4 | 8.2 | 13.5 | 16.7 | 14.8 | 13.4 | 10.5 | 6.8 | 2.0 |
| 25. | -0.1 | 1.7 | 2.3 | 4.9 | 8.0 | 13.6 | 15.4 | 15.0 | 13.1 | 10.7 | 6.4 | 1.5 |
| 26. | -0.2 | 1.8 | 2.4 | 5.2 | 10.1 | 15.1 | 15.6 | 15.2 | 13.8 | 10.7 | 6.0 | 2.0 |
| 27. | -0.2 | 2.2 | 2.5 | 6.6 | 11.1 | 12.9 | 15.1 | 14.3 | 13.2 | 11.0 | 5.8 | 1.9 |
| 28. | -0.2 | 2.3 | 2.2 | 5.8 | 10.0 | 12.0 | 14.3 | 14.8 | 13.0 | 11.4 | 6.1 | 2.0 |
| 29. | 0.8 | | 2.6 | 5.0 | 10.4 | 13.9 | 14.7 | 15.1 | 12.8 | 11.4 | 4.0 | 0.4 |
| 30. | 1.6 | | 1.6 | 6.0 | 11.7 | 14.8 | 18.0 | 15.4 | 12.8 | 11.1 | 5.8 | 0.8 |
| 31. | 0.8 | | 2.3 | | 11.2 | | 15.5 | 15.6 | | 10.5 | | 1.6 |
| M | | | | | | | | | | | | |
| 8 ^h | 1.14 | 1.25 | 1.71 | 3.05 | 6.94 | 13.60 | 14.82 | 14.84 | 12.80 | 11.60 | 7.66 | 2.96 |
| 14 ^h | 1.21 | 1.48 | 2.26 | 4.01 | 7.96 | 14.76 | 15.68 | 15.69 | 13.45 | 11.81 | 7.64 | 3.16 |
| 20 ^h | 1.14 | 1.47 | 2.15 | 3.78 | 7.80 | 14.13 | 15.34 | 15.20 | 13.08 | 11.69 | 7.56 | 3.10 |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 5.95 | 6.35 | 6.46 | 6.80 | 6.87 | 6.60 | 6.71 | 6.73 | 6.69 | 6.82 | 6.55 | 6.55 |
| 6. | 3.51 | 6.58 | 6.65 | 6.80 | 6.55 | 6.42 | 6.69 | 6.78 | 6.76 | 6.83 | 6.78 | 6.65 |
| 11. | 5.66 | 6.58 | 6.64 | 6.89 | 6.76 | 6.35 | 6.73 | 6.67 | 6.83 | 6.85 | 6.82 | 6.69 |
| 16. | 5.52 | 6.55 | 6.76 | 6.83 | 6.64 | 6.35 | 6.69 | 6.47 | 6.58 | 6.87 | 6.78 | 6.83 |
| 21. | 5.22 | 6.47 | 6.83 | 6.87 | 6.58 | 6.53 | 6.51 | 5.57 | 6.80 | 6.83 | 6.83 | 6.83 |
| 26. | 6.24 | 6.64 | 6.80 | 6.89 | 6.65 | 6.58 | 6.65 | 5.57 | 6.80 | 6.62 | 6.74 | 6.87 |
| M | | | | | | | | | | | | |
| 14 ^h | 5.52 | 6.53 | 6.69 | 6.85 | 6.68 | 6.47 | 6.66 | 6.30 | 6.74 | 6.80 | 6.75 | 6.74 |

OBSERVATIONS IN THE DEPTH AT Russarö
59°46'33"N, 22°57'05"E

| m | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1961 | | | | | | | | | |
| | Jan. 1 | Jan. 11 | Jan. 21 | Feb. 1 | Feb. 11 | Feb. 21 | Mar. 1 | Mar. 11 | Mar. 21 |
| 0 | 2.5 6.00 | 2.0 5.99 | 1.2 6.24 | 1.1 6.38 | 1.5 6.67 | 1.8 6.64 | 1.5 6.46 | 2.1 6.69 | 2.2 7.00 |
| 5 | 2.5 5.95 | 2.0 6.00 | 1.2 6.24 | 1.5 6.49 | 1.5 6.67 | 1.8 6.65 | 1.7 6.47 | 2.1 6.69 | 2.2 7.00 |
| 10 | 2.5 5.95 | 2.2 6.04 | 1.5 6.28 | 2.0 6.65 | 1.6 6.69 | 2.0 6.69 | 2.2 - | 2.1 6.69 | 2.2 7.00 |
| 15 | 2.5 5.95 | 2.0 5.99 | 2.3 6.46 | 3.0 6.93 | 1.8 6.71 | 2.2 6.78 | 2.5 6.98 | 2.2 6.76 | 2.2 7.02 |
| 20 | 2.5 5.97 | 2.0 5.99 | 3.2 6.71 | 3.6 7.12 | 2.0 6.73 | 2.8 7.05 | 2.8 7.07 | 2.5 6.76 | 2.2 7.02 |
| 30 | 2.5 5.99 | 2.0 5.99 | 3.6 6.85 | 3.9 7.18 | 2.5 6.83 | 3.6 7.25 | 3.2 7.20 | 2.7 7.09 | 2.2 7.02 |
| | Apr. 1 | Apr. 11 | Apr. 21 | May 1 | May 11 | May 21 | Jun. 2 | Jun. 11 | Jun. 21 |
| 0 | 2.0 6.83 | 2.6 6.93 | 3.0 6.93 | 4.5 6.85 | 5.5 6.76 | 7.9 6.60 | 11.1 6.47 | 15.5 6.38 | 12.7 6.55 |
| 5 | 2.0 6.83 | 2.4 6.98 | 3.0 6.93 | 4.2 6.85 | 5.2 6.76 | 7.6 6.58 | 10.2 6.51 | 14.1 6.37 | 10.1 6.54 |
| 10 | 2.0 6.85 | 2.4 6.98 | 2.8 6.93 | 4.1 6.85 | 5.1 6.76 | 7.6 6.58 | 10.1 6.51 | 10.7 6.42 | 7.2 6.59 |
| 15 | 2.0 6.85 | 2.4 6.98 | 2.6 6.93 | 4.1 6.85 | 5.1 6.76 | 5.7 6.64 | 10.1 6.55 | 10.5 6.46 | 6.1 6.66 |
| 20 | 2.0 6.87 | 2.4 6.98 | 2.6 6.93 | 4.1 6.85 | 5.1 6.78 | 5.6 6.71 | 10.1 6.55 | 9.8 6.47 | 6.0 6.77 |
| 30 | 2.0 6.94 | 2.4 6.98 | 2.6 6.93 | 4.1 6.85 | 4.9 6.83 | 4.9 6.71 | 9.1 6.60 | 6.9 6.67 | 5.6 6.88 |
| | Jul. 1 | Jul. 11 | Jul. 22 | Aug. 1 | Aug. 11 | Aug. 22 | Sep. 1 | Sep. 11 | Sep. 21 |
| 0 | 11.3 6.73 | 15.3 6.71 | 14.2 6.65 | 14.1 6.76 | 16.4 6.69 | 13.9 6.76 | 13.8 6.73 | 13.7 6.87 | 13.1 6.83 |
| 5 | 7.7 6.89 | 13.6 6.71 | 13.6 6.69 | 13.8 6.78 | 14.9 6.80 | 13.6 6.80 | 13.1 6.73 | 13.5 6.85 | 13.1 6.83 |
| 10 | 6.3 6.98 | 10.2 6.80 | 13.2 6.73 | 13.7 6.80 | 14.6 6.80 | 11.9 6.85 | 12.2 6.80 | 13.4 6.87 | 13.1 6.83 |
| 15 | 4.6 7.05 | 8.6 6.83 | 7.6 6.89 | 12.2 6.80 | 13.1 6.82 | 11.1 6.85 | 11.2 6.83 | 13.6 6.85 | 13.1 6.83 |
| 20 | 4.1 7.11 | 6.7 6.93 | 6.1 6.94 | 12.1 6.80 | 13.1 6.89 | 10.9 6.85 | 11.2 6.83 | 13.1 6.85 | 12.9 6.83 |
| 30 | 4.1 7.16 | 5.3 7.00 | 5.6 7.00 | 9.1 6.96 | 12.1 6.89 | 10.2 6.87 | 11.1 6.85 | 12.7 6.83 | 12.9 6.83 |
| | Oct. 1 | Oct. 11 | Oct. 21 | Nov. 1 | Nov. 13 | Nov. 21 | Dec. 1 | Dec. 11 | Dec. 23 |
| 0 | 12.9 6.80 | 12.6 6.87 | 11.9 6.87 | 11.1 6.87 | 8.7 6.82 | 7.7 6.87 | 6.3 6.80 | 5.3 6.83 | 3.6 6.87 |
| 5 | 12.9 6.83 | 12.6 6.85 | 11.9 6.85 | 11.1 6.87 | 8.8 6.82 | 7.7 6.85 | 6.3 6.83 | 5.3 6.83 | 3.6 6.87 |
| 10 | 12.9 6.83 | 12.6 6.87 | 11.9 6.87 | 11.1 6.87 | 8.8 6.82 | 7.7 6.85 | 6.3 6.83 | 5.3 6.82 | 3.6 6.87 |
| 15 | 12.9 6.83 | 12.6 6.87 | 11.9 6.85 | 11.1 6.87 | 8.8 6.83 | 7.7 6.85 | 6.3 6.82 | 5.3 6.82 | 3.6 6.87 |
| 20 | 12.9 6.83 | 12.6 6.87 | 11.8 6.85 | 11.1 6.87 | 8.8 6.82 | 7.7 6.85 | 6.4 6.82 | 5.3 6.82 | 3.6 6.87 |
| 30 | 12.8 6.83 | 12.6 6.87 | 11.6 6.85 | 11.1 6.87 | 8.8 6.83 | 7.7 6.87 | 6.4 6.83 | 5.3 6.83 | 3.6 6.87 |

| SURFACE OBSERVATIONS AT Tvärminne 59°51'00"N, 23°15'09"E | | | | | | | | | | | | |
|---|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
| Observer(s): S. Öhberg | | | | | | | | | | | | |
| Year: 1961 | | | | | | | | | | | | |
| Temperature, 14 ^h | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 1.0 | 1.4 | 2.3 | 2.5 | 6.6 | 16.2 | 11.3 | 15.9 | 14.6 | 12.8 | 10.1 | 4.7 |
| 2. | 1.0 | 1.5 | 2.3 | 2.5 | 6.6 | 16.5 | 11.6 | 16.1 | 14.3 | 12.9 | 10.9 | 4.7 |
| 3. | 1.0 | 1.0 | 2.3 | 2.5 | 6.9 | 17.6 | 11.6 | 16.6 | 14.1 | 13.1 | 9.9 | 4.6 |
| 4. | 1.2 | 0.5 | 2.3 | 2.5 | 6.9 | 18.9 | 11.4 | 16.7 | 13.5 | 12.8 | 9.6 | 4.2 |
| 5. | 1.2 | 0.2 | 2.6 | 2.5 | 7.1 | 19.1 | 11.7 | 15.3 | 13.1 | 12.5 | 9.6 | 4.1 |
| 6. | 1.0 | 0.3 | 2.4 | 2.5 | 7.4 | 19.9 | 11.9 | 15.4 | 13.1 | 12.1 | 9.3 | 4.4 |
| 7. | 1.2 | 0.7 | 2.3 | 3.0 | 7.7 | 20.8 | 11.9 | 16.1 | 12.9 | 11.6 | 9.1 | 4.4 |
| 8. | 1.2 | 1.1 | 2.3 | 3.2 | 7.7 | 20.4 | 11.6 | 17.6 | 12.6 | 11.5 | 9.1 | 4.1 |
| 9. | 1.0 | 0.7 | 2.7 | 3.0 | 7.9 | 18.8 | 13.9 | 17.1 | 12.6 | 11.7 | 9.1 | 3.8 |
| 10. | 0.5 | 0.7 | 3.4 | 2.5 | 8.1 | 17.9 | 16.6 | 17.1 | 12.8 | 12.1 | 8.7 | 3.6 |
| 11. | 0.8 | 1.2 | 3.1 | 2.5 | 8.1 | 18.3 | 16.6 | 16.6 | 13.1 | 12.4 | 8.1 | 3.0 |
| 12. | 0.8 | 1.2 | 3.2 | 3.6 | 8.1 | 19.1 | 17.1 | 16.2 | 13.1 | 12.4 | 7.7 | 1.8 |
| 13. | 1.0 | 1.2 | 3.2 | 3.2 | 8.1 | 19.3 | 18.6 | 16.2 | 13.7 | 12.1 | 6.6 | 0.8 |
| 14. | 1.1 | 1.3 | 3.0 | 2.8 | 8.3 | 18.6 | 18.6 | 16.2 | 13.6 | 11.7 | 6.4 | 0.1 |
| 15. | 0.9 | 2.0 | 2.8 | 3.2 | 9.6 | 19.3 | 18.8 | 16.4 | 13.5 | 11.7 | 6.5 | 0.0 |
| 16. | 0.3 | 1.7 | 2.6 | 4.6 | 10.6 | 20.1 | 18.6 | 16.5 | 13.5 | 11.7 | 6.6 | 0.8 |
| 17. | 0.3 | 2.0 | 2.6 | 4.3 | 10.3 | 20.6 | 18.1 | 16.6 | 13.7 | 11.7 | 6.6 | 1.5 |
| 18. | 0.2 | 2.3 | 2.6 | 4.1 | 10.1 | 19.3 | 18.2 | 16.4 | 13.7 | 11.7 | 6.4 | 2.3 |
| 19. | 0.2 | 1.7 | 2.0 | 4.1 | 9.9 | 17.4 | 18.4 | 15.6 | 13.1 | 11.7 | 5.7 | 2.0 |
| 20. | 0.2 | 2.0 | 2.0 | 4.3 | 9.7 | 15.4 | 19.1 | 15.3 | 12.9 | 11.6 | 5.5 | 1.8 |
| 21. | 0.2 | 2.3 | 2.0 | 4.6 | 9.9 | 13.3 | 16.6 | 15.3 | 12.7 | 11.6 | 6.4 | 1.5 |
| 22. | 0.2 | 2.3 | 2.1 | 5.1 | 10.4 | 12.8 | 15.8 | 14.9 | 12.8 | 11.1 | 6.4 | 0.8 |
| 23. | 0.1 | 2.4 | 2.3 | 5.6 | 10.1 | 12.9 | 15.9 | 14.6 | 13.2 | 10.7 | 6.6 | 0.5 |
| 24. | -0.2 | 1.5 | 2.3 | 5.9 | 9.9 | 12.1 | 15.7 | 14.6 | 13.2 | 10.1 | 6.3 | 0.5 |
| 25. | -0.2 | 1.7 | 2.5 | 6.8 | 10.3 | 11.6 | 15.6 | 14.1 | 13.2 | 10.3 | 5.8 | 0.5 |
| 26. | -0.2 | 1.7 | 2.5 | 8.1 | 10.6 | 11.4 | 15.3 | 13.8 | 13.2 | 10.6 | 5.4 | 0.3 |
| 27. | -0.1 | 1.7 | 2.5 | 8.1 | 10.6 | 10.6 | 14.8 | 13.6 | 12.7 | 10.8 | 5.4 | 0.3 |
| 28. | 0.7 | 2.0 | 2.6 | 7.6 | 11.3 | 10.3 | 14.8 | 14.1 | 12.4 | 10.9 | 5.3 | -0.2 |
| 29. | 0.6 | | 2.6 | 6.1 | 12.2 | 10.9 | 15.1 | 14.2 | 12.5 | 10.9 | 5.1 | -0.2 |
| 30. | 0.5 | | 1.7 | 6.1 | 14.1 | 11.1 | 15.6 | 14.5 | 12.5 | 10.7 | 4.8 | -0.2 |
| 31. | 1.0 | | 2.1 | | 15.4 | | 15.8 | 14.8 | | 10.3 | | -0.1 |
| M 8 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 ^h | 0.60 | 1.44 | 2.49 | 4.25 | 9.37 | 16.35 | 15.37 | 15.62 | 13.19 | 11.61 | 7.30 | 1.95 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 5.26 | 6.00 | 6.87 | 6.93 | 6.58 | 5.57 | 6.67 | 6.65 | 6.60 | 6.31 | 6.69 | 6.47 |
| 6. | 5.32 | 6.22 | 6.98 | 5.37 | 6.55 | 5.72 | 6.47 | 6.69 | 6.78 | 6.58 | 6.62 | 6.65 |
| 11. | 5.46 | 5.64 | 6.98 | 6.85 | 6.26 | 6.22 | 6.67 | 6.67 | 6.40 | 6.58 | 6.56 | 6.15 |
| 16. | 5.50 | 6.46 | 6.96 | 6.13 | 6.35 | 6.28 | 6.47 | 6.78 | 6.46 | 6.60 | 6.69 | 6.47 |
| 21. | 5.32 | 6.69 | 6.83 | 6.80 | 6.26 | 6.46 | 6.76 | 6.65 | 6.49 | 6.38 | 6.67 | 6.60 |
| 26. | 4.76 | 6.53 | 5.16 | 5.97 | 5.72 | 6.55 | 6.64 | 6.67 | 6.24 | 6.26 | 6.76 | 6.58 |
| M 14 ^h | 5.27 | 6.26 | 6.63 | 6.34 | 6.29 | 6.14 | 6.54 | 6.68 | 6.50 | 6.45 | 6.66 | 6.49 |

OBSERVATIONS IN THE DEPTH AT Tvärminne
59°52'02"N, 23°16'25"E

| m | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ | t° S‰/‰ |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1961 | | | | | | | | | |
| | Jan. 1 | Jan. 11 | Feb. 1 | Feb. 11 | Feb. 21 | Mar. 1 | Mar. 11 | Mar. 21 | Apr. 1 |
| 0 | 1.2 5.46 | 1.4 5.61 | 1.3 5.75 | 1.1 5.91 | 2.6 6.73 | 2.2 6.76 | 2.8 7.03 | 2.2 6.74 | 2.4 6.91 |
| 5 | 1.8 5.52 | 1.4 5.61 | 1.8 6.33 | 2.0 6.42 | 2.7 6.85 | 2.4 6.87 | 2.8 7.03 | 2.2 6.83 | 2.2 6.93 |
| 10 | 1.9 5.68 | 1.4 5.64 | 2.8 6.71 | 2.0 6.56 | 2.8 6.94 | 2.4 6.91 | 2.8 7.05 | 2.4 6.94 | 2.2 6.94 |
| 15 | 2.2 5.75 | 1.7 5.73 | 3.5 6.91 | 2.1 6.73 | 2.8 7.05 | 2.4 6.94 | 2.8 7.05 | 2.4 7.03 | 2.2 6.96 |
| 20 | 2.2 5.84 | 2.0 5.82 | 4.0 7.12 | 2.1 6.76 | 3.2 7.11 | 2.4 7.00 | 2.8 7.05 | 2.4 7.03 | 2.2 6.96 |
| 30 | 2.4 5.88 | 2.1 5.86 | 4.2 7.27 | 3.0 6.98 | 3.5 7.14 | 3.4 7.20 | 3.0 7.12 | 2.4 7.03 | 2.2 6.98 |
| | Apr. 11 | Apr. 21 | May 1 | May 11 | May 21 | Jun. 1 | Jun. 11 | Jun. 21 | Jul. 1 |
| 0 | 2.5 6.87 | 3.0 6.78 | 5.5 6.60 | 6.9 6.40 | 8.6 6.28 | 15.4 5.70 | 18.3 6.24 | 11.4 6.58 | 10.6 6.65 |
| 5 | 2.5 6.91 | 3.0 6.83 | 5.0 6.58 | 6.9 6.42 | 7.6 6.47 | 12.0 6.47 | 14.8 6.38 | 10.4 6.60 | 6.4 6.80 |
| 10 | 2.5 6.91 | 2.8 6.85 | 4.7 6.62 | 6.9 6.64 | 6.7 6.58 | 11.2 6.51 | 11.8 6.47 | 5.8 6.65 | 6.4 6.89 |
| 15 | 2.4 6.94 | 2.7 6.85 | 3.4 6.76 | 5.8 6.65 | 6.4 6.58 | 10.7 6.51 | 11.2 6.49 | 5.8 6.71 | 6.4 6.89 |
| 20 | 2.3 6.96 | 2.4 6.87 | 3.2 6.80 | 5.0 6.69 | 5.8 6.62 | 10.1 6.51 | 8.3 6.56 | 5.1 6.89 | 4.6 6.93 |
| 30 | 2.2 7.00 | 2.4 6.91 | 3.1 6.83 | 4.8 6.73 | 5.3 6.65 | 7.8 6.51 | 6.5 6.58 | 4.4 6.94 | 4.4 7.00 |
| | Jul. 11 | Jul. 21 | Aug. 1 | Aug. 11 | Aug. 21 | Sep. 1 | Sep. 11 | Sep. 21 | Oct. 1 |
| 0 | 16.2 6.55 | 14.0 6.58 | 16.1 6.55 | 15.8 6.76 | 12.0 6.76 | 14.0 6.83 | 13.0 6.58 | 12.9 6.65 | 12.5 6.24 |
| 5 | 12.3 6.67 | 13.3 6.65 | 14.8 6.65 | 15.6 6.76 | 12.0 6.78 | 12.7 6.83 | 13.0 6.62 | 12.8 6.65 | 12.8 6.58 |
| 10 | 12.0 6.73 | 11.0 6.71 | 14.3 6.69 | 12.5 6.80 | 12.0 6.78 | 12.4 6.83 | 13.0 6.62 | 12.8 6.65 | 12.8 6.62 |
| 15 | 10.0 6.73 | 9.4 6.76 | 13.3 6.69 | 11.1 6.80 | 11.7 6.83 | 12.3 6.83 | 12.9 6.71 | 12.7 6.65 | 12.8 6.67 |
| 20 | 9.0 6.89 | 9.0 6.78 | 11.7 6.71 | 10.5 6.85 | 11.3 6.93 | 11.5 6.85 | 12.7 6.76 | 12.7 6.65 | 12.7 6.67 |
| 30 | 6.0 6.98 | 6.3 6.85 | 10.0 6.73 | 9.8 6.85 | 10.9 7.00 | 11.1 6.85 | 12.1 6.87 | 12.3 6.73 | 12.5 6.67 |
| | Oct. 11 | Oct. 21 | Nov. 1 | Nov. 11 | Nov. 21 | Dec. 1 | Dec. 11 | Dec. 21 | |
| 0 | 12.5 6.58 | 11.6 6.55 | 10.5 6.56 | 8.0 6.06 | 7.2 6.69 | 5.4 6.53 | 3.8 6.37 | 2.7 6.65 | |
| 5 | 12.3 6.62 | 11.6 6.56 | 10.2 6.62 | 8.0 6.11 | 7.2 6.69 | 6.0 6.62 | 4.2 6.51 | 2.8 6.71 | |
| 10 | 12.3 6.62 | 11.6 6.58 | 10.2 6.64 | 8.2 6.24 | 7.2 6.74 | 6.0 6.65 | 4.8 6.65 | 2.8 6.73 | |
| 15 | 12.3 6.65 | 11.6 6.58 | 10.8 6.74 | 8.4 6.42 | 7.2 6.78 | 6.0 6.65 | 5.0 6.69 | 2.8 6.73 | |
| 20 | 12.3 6.73 | 11.6 6.67 | 10.8 6.80 | 8.4 6.62 | 7.2 6.83 | 6.0 6.65 | 5.0 6.78 | 2.8 6.69 | |
| 30 | 12.3 6.76 | 11.6 6.71 | 10.8 6.83 | 8.6 6.69 | 7.2 6.87 | 6.2 6.69 | 5.2 6.80 | 2.8 6.69 | |

OBSERVATIONS IN THE DEPTH AT Tvärminne B
59°51'30"N, 23°15'01"E

| m | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ |
|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|
| 1961 | | | | | | | | | | |
| | Jan. 7 | Jan. 14 | Jan. 21 | Jan. 28 | Feb. 4 | Feb. 11 | Feb. 18 | Feb. 25 | Mar. 4 | |
| 0 | 1.2 5.32 | 1.1 5.45 | 0.2 5.01 | 0.2 5.43 | 0.5 5.46 | 1.3 6.08 | 1.7 4.65 | 1.7 6.37 | 2.3 6.46 | |
| 10 | 1.3 5.37 | 1.1 5.45 | 0.4 5.12 | 0.7 6.04 | 1.0 6.02 | 1.3 6.15 | 1.7 5.82 | 2.0 6.42 | 2.2 6.53 | |
| 15 | 1.3 5.41 | 1.1 5.45 | 0.5 5.21 | 0.7 6.08 | 1.2 6.06 | 1.3 6.22 | 1.7 6.17 | 2.0 6.51 | 2.2 6.55 | |
| 25 | 1.3 5.41 | 1.1 5.54 | 0.5 5.55 | 0.7 6.11 | 1.2 6.08 | 1.3 6.24 | 2.1 6.37 | 2.0 6.65 | 2.2 6.58 | |
| | Mar. 11 | Mar. 18 | Mar. 25 | Apr. 1 | Apr. 8 | Apr. 15 | Apr. 22 | Apr. 29 | May 6 | |
| 0 | 3.1 6.96 | 2.5 6.94 | 2.5 6.96 | 2.5 6.91 | 2.8 5.37 | 3.2 6.51 | 5.0 6.82 | 5.5 6.55 | 7.6 6.58 | |
| 10 | 3.1 6.96 | 2.5 6.94 | 2.6 6.98 | 2.5 6.91 | 2.8 5.37 | 3.2 6.51 | 5.0 6.82 | 5.0 6.55 | 7.6 6.58 | |
| 15 | 3.1 6.98 | 2.5 6.98 | 2.6 6.98 | 2.5 6.91 | 2.8 5.39 | 3.2 6.53 | 5.0 6.82 | 5.0 6.55 | 7.6 6.58 | |
| 25 | 3.1 6.98 | 2.5 7.00 | 2.6 6.98 | 2.5 6.91 | 2.6 5.97 | 3.2 6.56 | 4.8 6.82 | 5.0 6.56 | 7.6 6.60 | |
| | May 13 | May 20 | May 27 | Jun. 3 | Jun. 10 | Jun. 17 | Jun. 24 | Jul. 1 | Jul. 8 | |
| 0 | 8.1 6.11 | 10.0 6.19 | 12.0 6.56 | 18.8 5.39 | 17.7 6.17 | 20.7 5.99 | 12.0 6.60 | 11.8 6.64 | 13.1 6.76 | |
| 10 | 8.0 6.13 | 9.5 6.20 | 11.6 6.56 | 18.6 5.43 | 17.2 6.24 | 20.0 6.17 | 12.0 6.60 | 11.8 6.64 | 13.0 6.80 | |
| 15 | 7.8 6.15 | 9.5 6.24 | 11.3 6.58 | 18.6 5.43 | 16.8 6.62 | 19.6 6.17 | 11.8 6.62 | 11.4 6.67 | 12.8 6.85 | |
| 25 | 7.7 6.19 | 9.2 6.33 | 10.0 6.58 | 18.4 5.50 | 15.7 6.62 | 17.8 6.20 | 11.8 6.69 | 11.3 6.67 | 12.0 6.87 | |
| | Jul. 15 | Jul. 22 | Jul. 29 | Aug. 5 | Aug. 12 | Aug. 19 | Aug. 26 | Sep. 2 | Sep. 9 | |
| 0 | 18.8 5.91 | 16.3 6.64 | 15.7 6.78 | 15.2 6.65 | 16.1 6.73 | 15.2 6.24 | 13.8 6.62 | 14.6 6.64 | 12.6 5.79 | |
| 10 | 18.5 5.97 | 15.8 6.62 | 15.0 6.80 | 15.1 6.67 | 16.0 6.74 | 15.2 6.28 | 13.8 6.62 | 14.5 6.64 | 12.6 5.82 | |
| 15 | 18.1 6.08 | 15.6 6.62 | 17.7 6.82 | 14.7 6.73 | 16.0 6.74 | 15.2 6.28 | 13.8 6.62 | 13.8 6.65 | 12.6 5.82 | |
| 25 | 18.1 6.09 | 15.2 6.62 | 14.5 6.82 | 14.7 6.73 | 15.7 6.74 | 15.2 6.37 | 13.8 6.64 | 13.8 6.69 | 12.6 5.84 | |
| | Sep. 16 | Sep. 23 | Sep. 30 | Oct. 7 | Oct. 14 | Oct. 21 | Oct. 28 | Nov. 4 | Nov. 11 | |
| 0 | 13.5 6.55 | 13.1 6.47 | 12.4 6.08 | 11.6 6.44 | 11.6 6.55 | 10.8 6.42 | 10.8 6.69 | 9.5 6.62 | 7.7 - | |
| 10 | 13.2 6.55 | 13.0 6.49 | 12.2 6.13 | 11.6 6.44 | 11.6 6.56 | 10.8 6.42 | 10.8 6.73 | 9.5 6.62 | 7.7 6.44 | |
| 15 | 13.2 6.55 | 12.8 6.55 | 12.0 6.20 | 11.6 6.46 | 11.6 6.58 | 10.8 6.42 | 10.8 6.73 | 9.5 6.62 | 7.7 6.44 | |
| 25 | 13.2 6.58 | 12.8 6.58 | 12.0 6.31 | 11.6 6.46 | 11.6 6.58 | 10.8 6.42 | 10.8 6.76 | 9.4 6.64 | 7.7 6.44 | |
| | Nov. 18 | Nov. 25 | Dec. 2 | Dec. 9 | Dec. 16 | Dec. 23 | Dec. 30 | | | |
| 0 | 6.7 6.65 | 5.7 6.55 | 4.7 6.53 | 3.7 6.11 | 0.8 6.29 | 0.5 6.62 | -0.1 6.78 | | | |
| 10 | 6.7 6.65 | 5.7 6.65 | 4.7 6.53 | 3.7 6.46 | 1.3 6.37 | 0.6 6.64 | -0.1 6.78 | | | |
| 15 | 6.7 6.65 | 5.8 6.65 | 4.7 6.53 | 3.7 6.49 | 1.6 6.38 | 0.6 6.65 | -0.1 6.80 | | | |
| 25 | 6.3 6.65 | 5.8 6.65 | 4.7 6.53 | 3.7 6.49 | 2.0 6.42 | 0.7 6.67 | 0.0 6.80 | | | |

| SURFACE OBSERVATIONS AT Harmaja / Gråhara 60°06'18"N, 24°58'36"E Observer(s): S. Rosenström Year: 1961 Temperature, 14 ^h | | | | | | | | | | | | |
|---|------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 1.2 | 1.6 | 1.8 | 1.8 | 5.0 | 11.2 | 11.6 | 16.0 | 14.4 | 12.8 | 9.6 | 5.3 |
| 2. | 1.2 | 1.4 | 1.3 | 1.8 | 5.3 | 11.5 | 11.8 | 15.7 | 14.9 | 13.0 | 9.6 | 5.2 |
| 3. | 1.2 | 1.6 | 1.1 | 1.8 | 5.0 | 12.1 | 11.9 | 16.0 | 13.5 | 12.3 | 10.0 | 5.0 |
| 4. | 1.0 | 1.1 | 2.0 | 1.8 | 5.0 | 12.6 | 11.1 | 16.4 | 13.3 | 12.1 | 9.2 | 4.8 |
| 5. | 1.2 | 0.3 | 2.2 | 2.1 | 4.9 | 15.0 | 11.0 | 15.7 | 13.5 | 12.1 | 9.3 | 4.8 |
| 6. | 0.6 | -0.1 | 2.2 | 1.6 | 4.7 | 18.3 | 11.0 | 15.6 | 12.8 | 12.1 | 8.7 | 4.8 |
| 7. | 1.0 | 0.9 | 2.2 | 1.6 | 5.8 | 18.6 | 10.9 | 16.8 | 12.8 | 12.1 | 8.7 | 4.9 |
| 8. | 1.1 | 1.4 | 1.9 | 2.0 | 5.2 | 18.7 | 11.5 | 16.6 | 12.8 | 11.8 | 8.9 | 4.8 |
| 9. | 0.8 | 0.9 | 2.2 | 2.1 | 5.8 | 18.1 | 12.3 | 17.7 | 12.7 | 11.8 | 8.6 | 4.5 |
| 10. | 0.7 | 0.2 | 2.5 | 2.4 | 6.4 | 17.1 | 14.5 | 17.4 | 12.9 | 12.1 | 8.5 | 3.5 |
| 11. | 0.9 | 0.9 | 2.2 | 2.2 | 6.4 | 17.0 | 14.4 | 16.3 | 13.3 | 12.2 | 8.2 | 3.5 |
| 12. | 0.8 | 1.3 | 2.3 | 2.2 | 5.8 | 16.4 | 14.8 | 17.4 | 12.7 | 12.1 | 7.7 | 3.2 |
| 13. | 1.0 | 0.8 | 2.1 | 2.2 | 6.3 | 16.7 | 15.4 | 16.4 | 13.0 | 11.6 | 7.0 | 2.3 |
| 14. | 0.9 | 1.2 | 2.0 | 1.7 | 6.5 | 17.6 | 15.9 | 17.6 | 12.4 | 11.2 | 7.4 | 2.2 |
| 15. | 0.8 | 1.6 | 2.0 | 1.9 | 8.2 | 17.2 | 16.0 | 17.2 | 12.8 | 11.1 | 7.4 | 1.8 |
| 16. | 1.0 | 0.7 | 1.9 | 2.5 | 7.8 | 16.9 | 16.2 | 16.3 | 12.7 | 10.8 | 6.8 | 1.6 |
| 17. | 0.1 | 1.0 | 1.9 | 3.8 | 6.8 | 18.6 | 17.6 | 16.2 | 12.8 | 10.8 | 6.9 | 1.6 |
| 18. | 0.2 | 1.5 | 2.1 | 3.6 | 7.2 | 16.9 | 17.6 | 16.1 | 13.0 | 10.6 | 6.7 | 1.7 |
| 19. | 0.3 | 1.2 | 1.7 | 2.7 | 8.1 | 15.8 | 17.6 | 15.5 | 12.6 | 10.6 | 5.9 | 1.8 |
| 20. | 0.2 | 0.8 | 0.7 | 2.9 | 7.8 | 13.6 | 18.3 | 15.8 | 12.4 | 10.6 | 5.9 | 1.8 |
| 21. | -0.1 | 1.2 | 1.2 | 3.4 | 8.2 | 13.2 | 17.5 | 14.7 | 12.4 | 10.6 | 6.0 | 2.4 |
| 22. | -0.2 | 1.5 | 1.2 | 3.7 | 7.9 | 12.8 | 16.0 | 15.0 | 12.4 | 10.3 | 6.5 | 2.0 |
| 23. | -0.2 | 1.5 | 1.8 | 3.8 | 8.0 | 10.8 | 16.4 | 14.6 | 12.5 | 10.2 | 6.2 | 1.3 |
| 24. | -0.2 | 1.1 | 1.8 | 3.3 | 8.8 | 11.1 | 17.2 | 14.5 | 12.3 | 10.0 | 6.4 | 1.4 |
| 25. | -0.2 | 1.5 | 2.0 | 4.5 | 8.2 | 10.6 | 16.6 | 14.0 | 12.3 | 10.0 | 6.5 | 1.5 |
| 26. | -0.3 | 1.4 | 1.8 | 5.8 | 8.6 | 9.2 | 15.8 | 14.0 | 12.8 | 10.5 | 6.4 | 1.1 |
| 27. | -0.1 | 1.6 | 1.9 | 5.7 | 8.6 | 8.8 | 15.1 | 15.3 | 12.5 | 10.2 | 6.2 | 0.5 |
| 28. | -0.1 | 1.6 | 1.8 | 4.2 | 8.5 | 8.5 | 14.0 | 14.6 | 12.4 | 10.4 | 5.8 | 1.1 |
| 29. | 0.6 | | 1.9 | 4.3 | 9.7 | 9.5 | 14.4 | 13.6 | 12.3 | 10.2 | 5.4 | 0.7 |
| 30. | 1.0 | | 1.1 | 4.5 | 9.6 | 10.3 | 15.3 | 13.7 | 12.7 | 10.1 | 6.3 | 1.0 |
| 31. | 1.7 | | 1.6 | | 10.6 | | 14.8 | 14.2 | | 9.8 | | 0.9 |
| M 8 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 ^h | 0.58 | 1.13 | 1.82 | 2.93 | 7.12 | 14.16 | 14.66 | 15.71 | 12.86 | 11.16 | 7.42 | 2.68 |
| 20 ^h | - | - | - | - | - | - | - | - | - | - | - | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 5.41 | 6.89 | 6.69 | 6.47 | 6.11 | 5.99 | 6.35 | 6.49 | 6.31 | 5.97 | 6.15 | 6.09 |
| 6. | 5.12 | 5.91 | 6.58 | 6.40 | 6.11 | 5.73 | 6.38 | 6.46 | 6.20 | 5.93 | 6.13 | 6.09 |
| 11. | 5.37 | 6.33 | 6.67 | 6.22 | 6.06 | 5.82 | 6.38 | 6.46 | 6.17 | 6.00 | 5.93 | 6.06 |
| 16. | 5.84 | 6.28 | 6.65 | 6.24 | 5.99 | 5.79 | 6.33 | 6.46 | 6.09 | 6.15 | 5.88 | 5.84 |
| 21. | 5.64 | 6.49 | 6.49 | 5.95 | 5.79 | 5.95 | 6.44 | 6.37 | 6.17 | 5.93 | 6.06 | 6.15 |
| 26. | 6.33 | 6.47 | 6.58 | 5.90 | 5.95 | 6.31 | 6.47 | 6.26 | 6.09 | 5.97 | 6.11 | 6.17 |
| M 14 ^h | 5.62 | 6.40 | 6.61 | 6.20 | 6.00 | 5.93 | 6.39 | 6.42 | 6.17 | 5.99 | 6.04 | 6.07 |

OBSERVATIONS IN THE DEPTH AT Harmaja / Gråhara
60°06'10"N, 24°57'46"E

| m | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ | t° S°/‰ |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 1961 | | | | | | | | |
| | Jan. 1 | Jan. 11 | Jan. 21 | Feb. 1 | Feb. 12 | Feb. 22 | Mar. 1 | Mar. 14 | Mar. 21 |
| 0 | 1.4 5.41 | 0.8 5.34 | 0.4 5.81 | 2.0 6.35 | 1.3 6.44 | 1.5 6.49 | 1.9 6.71 | 2.0 6.51 | 1.2 6.44 |
| 5 | 1.3 5.41 | 0.9 5.32 | 0.8 5.84 | 2.3 6.62 | 1.3 6.47 | 1.5 6.49 | 1.8 6.71 | 2.0 6.51 | 1.6 6.53 |
| 10 | 1.3 5.41 | 1.1 5.43 | 0.8 5.84 | 2.5 6.73 | 1.4 6.51 | 1.6 6.58 | 1.9 6.73 | 2.0 6.62 | 1.6 6.60 |
| 15 | 1.3 5.41 | 1.3 5.48 | 0.8 5.86 | 2.6 6.74 | 1.6 6.56 | 1.8 6.67 | 1.9 6.74 | 2.2 6.74 | 1.9 6.65 |
| 20 | 1.3 5.41 | 1.6 5.66 | 1.0 5.86 | 3.0 6.93 | 1.7 6.62 | 2.1 6.78 | 1.9 6.74 | 2.2 6.76 | 2.6 6.67 |
| 30 | 2.5 5.99 | 2.0 5.95 | 2.8 6.44 | 3.7 7.20 | 1.8 6.64 | 2.3 6.82 | 2.0 6.78 | 2.2 6.78 | 2.9 6.67 |
| | Apr. 1 | Apr. 11 | Apr. 21 | May 1 | May 11 | May 21 | Jun. 1 | Jun. 11 | Jun. 22 |
| 0 | 1.3 6.47 | 1.7 6.26 | - - | 3.6 6.13 | 5.8 6.09 | 6.2 5.81 | 10.2 5.99 | 16.3 5.84 | 10.3 5.93 |
| 5 | 1.4 6.56 | 1.6 6.28 | - - | 3.3 6.13 | 5.5 6.09 | 6.2 5.88 | 10.0 5.97 | 15.0 5.84 | 10.0 6.00 |
| 10 | 1.4 6.58 | 1.6 6.28 | - - | 3.3 6.13 | 4.8 6.09 | 6.2 6.02 | 9.8 5.97 | 9.4 5.93 | 5.4 6.28 |
| 15 | 1.5 6.60 | 1.7 6.28 | - - | 3.3 6.15 | 4.4 6.13 | 6.0 5.99 | 8.6 5.95 | 7.9 5.93 | 3.7 6.55 |
| 20 | 1.5 6.60 | 1.6 6.33 | 2.3 6.22 | 3.2 6.17 | 3.9 6.19 | 5.8 5.99 | 7.8 6.11 | 6.2 6.06 | 3.4 6.67 |
| 30 | 1.6 6.64 | 1.4 6.38 | 2.4 6.26 | 3.0 6.20 | 3.2 6.22 | 4.6 6.08 | 4.3 6.09 | 4.1 6.35 | 3.0 6.83 |
| | Jul. 1 | Jul. 11 | Jul. 21 | Aug. 1 | Aug. 11 | Aug. 22 | Sep. 2 | Sep. 10 | Sep. 20 |
| 0 | 9.8 6.81 | 13.5 6.37 | 17.4 6.46 | 16.0 6.47 | 16.0 6.46 | 13.8 6.44 | 14.0 6.31 | 12.7 6.17 | 12.4 6.24 |
| 5 | 8.2 6.33 | 12.0 6.38 | 17.1 6.46 | 15.9 6.47 | 16.0 6.46 | 13.6 6.42 | 13.2 6.33 | 12.5 6.17 | 12.4 6.24 |
| 10 | 7.5 6.44 | 8.7 6.42 | 13.5 6.47 | 15.4 6.47 | 15.6 6.46 | 13.4 6.42 | 13.1 6.35 | 12.5 6.17 | 12.2 6.22 |
| 15 | 5.4 6.53 | 7.8 6.44 | 11.2 6.46 | 14.6 6.46 | 15.2 6.42 | 10.2 6.35 | 12.9 6.37 | 12.5 6.20 | 12.0 6.22 |
| 20 | 4.0 6.67 | 7.0 6.46 | 10.0 6.44 | 13.9 6.46 | 15.2 6.42 | 9.2 6.35 | 11.2 6.35 | 12.4 6.20 | 10.8 6.26 |
| 30 | 3.5 6.76 | 5.2 6.56 | 7.2 6.46 | 10.4 6.46 | 10.8 6.42 | 8.8 6.31 | 10.0 6.35 | 12.3 6.22 | 9.6 6.31 |
| | Oct. 1 | Oct. 15 | Oct. 21 | Nov. 1 | Nov. 14 | Nov. 23 | Dec. 1 | Dec. 10 | |
| 0 | 12.1 5.93 | 11.1 6.22 | 10.5 5.90 | 9.8 6.13 | 7.4 5.86 | 6.7 6.04 | 5.7 6.06 | 3.7 5.90 | |
| 5 | 12.2 5.95 | 11.1 6.22 | 10.5 5.97 | 10.0 6.15 | 7.5 5.86 | 6.8 6.04 | 5.9 6.09 | 4.4 6.20 | |
| 10 | 12.3 5.99 | 11.2 6.22 | 10.3 5.97 | 10.0 6.15 | 7.8 5.86 | 6.9 6.11 | 5.9 6.11 | 4.7 6.24 | |
| 15 | 12.4 5.99 | 11.0 6.22 | 10.3 5.99 | 10.0 6.17 | 7.8 5.86 | 7.0 6.13 | 5.9 6.13 | 4.7 6.26 | |
| 20 | 12.4 6.04 | 11.0 6.28 | 10.3 5.97 | 10.0 6.17 | 7.8 5.86 | 7.0 6.13 | 6.0 6.13 | 4.8 6.31 | |
| 30 | 12.3 6.06 | 8.8 6.40 | 10.1 6.04 | 10.0 6.17 | 7.8 5.86 | 7.0 6.13 | 6.0 6.15 | 4.6 6.29 | |

| SURFACE OBSERVATIONS AT Tammio / Stamö 60°25'00"N, 27°25'22"E Observer(s): M. Pitkänen Temperature, 14 ^h | | | | | | | | | | | | |
|--|-------|------|------|------|------|-------|-------|-------|-------|-------|------|------|
| Year: 1961 | | | | | | | | | | | | |
| | I | II | III | IV | V | VI | VII | VIII | IX | X | XI | XII |
| 1. | 0.0 | -0.1 | 0.4 | 0.0 | 4.8 | 13.2 | 15.7 | 18.4 | 16.8 | 12.5 | 9.4 | 4.0 |
| 2. | 0.0 | 0.0 | 0.4 | 0.0 | 6.7 | 14.8 | 16.9 | 17.7 | 16.7 | 12.2 | 8.6 | 3.6 |
| 3. | 0.1 | 0.0 | 0.4 | 0.3 | 6.1 | 15.6 | 16.4 | 18.3 | 14.0 | 12.3 | 9.3 | 3.4 |
| 4. | 0.0 | 0.0 | 0.5 | 0.5 | 5.8 | 15.8 | 14.8 | 18.0 | 14.2 | 12.0 | 9.2 | 2.2 |
| 5. | 0.0 | -0.1 | 0.8 | 0.5 | 7.5 | 17.1 | 14.0 | 18.2 | 15.0 | 11.5 | 8.3 | 2.6 |
| 6. | 0.2 | -0.2 | 0.8 | 0.6 | 5.4 | 19.8 | 15.0 | 18.2 | 13.5 | 11.4 | 8.0 | 4.0 |
| 7. | 0.2 | -0.1 | 0.8 | 0.6 | 7.9 | 20.2 | 15.1 | 18.3 | 13.5 | 11.1 | 7.8 | 3.5 |
| 8. | 0.1 | 0.0 | 0.6 | 0.6 | 6.8 | 19.9 | 16.2 | 18.6 | 12.6 | 11.3 | 7.5 | 2.6 |
| 9. | 0.1 | -0.2 | 0.8 | 0.6 | 6.3 | 18.4 | 17.4 | 19.4 | 12.8 | 12.0 | 7.6 | 0.1 |
| 10. | 0.0 | -0.2 | 0.8 | 0.6 | 9.4 | 19.6 | 17.4 | 19.0 | 13.1 | 12.0 | 7.1 | 1.9 |
| 11. | 0.0 | -0.2 | 0.5 | 1.0 | 7.8 | 19.4 | 17.1 | 19.0 | 13.7 | 12.2 | 5.7 | 1.0 |
| 12. | 0.0 | -0.1 | 0.5 | 1.5 | 6.3 | 19.7 | 16.9 | 19.1 | 12.8 | 12.1 | 4.5 | 0.5 |
| 13. | 0.0 | -0.2 | 0.4 | 2.6 | 6.0 | 19.4 | 18.7 | 18.6 | 12.8 | 11.0 | 5.3 | 0.5 |
| 14. | 0.0 | -0.1 | 0.2 | 0.7 | 7.0 | 20.1 | 18.8 | 19.2 | 13.0 | 10.2 | 5.0 | 0.0 |
| 15. | 0.0 | 0.0 | 0.2 | 1.1 | 10.2 | 20.7 | 20.4 | 18.9 | 13.1 | 10.0 | 6.0 | -0.1 |
| 16. | -0.2 | 0.0 | 0.2 | 1.9 | 10.6 | 20.7 | 20.5 | 18.1 | 12.7 | 9.8 | 5.6 | 0.0 |
| 17. | -0.2 | 0.1 | 0.1 | 3.8 | 8.0 | 21.0 | 19.8 | 16.8 | 13.4 | 10.6 | 5.1 | 0.1 |
| 18. | -0.2 | 0.2 | 0.1 | 4.2 | 8.9 | 20.0 | 19.7 | 17.3 | 14.0 | 10.8 | 4.3 | 0.2 |
| 19. | -0.1 | 0.2 | 0.1 | 4.2 | 8.7 | 18.5 | 21.5 | 16.2 | 13.0 | 16.6 | 3.9 | 1.1 |
| 20. | -0.1 | 0.3 | 0.1 | 2.5 | 9.0 | 17.0 | 21.9 | 16.1 | 12.8 | 10.6 | 2.6 | 0.5 |
| 21. | -0.1 | 0.4 | 0.1 | 4.2 | 10.2 | 16.9 | 20.7 | 16.1 | 11.7 | 10.4 | 5.0 | -0.2 |
| 22. | -0.2 | 0.4 | 0.1 | 5.4 | 8.2 | 17.3 | 19.0 | 16.1 | 11.9 | 10.3 | 5.1 | -0.1 |
| 23. | -0.3 | 0.4 | 0.1 | 5.4 | 8.6 | 15.6 | 19.8 | 17.2 | 13.6 | 10.2 | 5.0 | -0.2 |
| 24. | -0.3 | 0.4 | 0.1 | 5.0 | 8.7 | 14.4 | 20.2 | 16.7 | 12.2 | 9.7 | 4.6 | -0.2 |
| 25. | -0.3 | 0.4 | 0.1 | 6.0 | 10.8 | 15.5 | 19.5 | 16.8 | 12.7 | 9.8 | 5.0 | -0.2 |
| 26. | -0.3 | 0.4 | 0.1 | 6.6 | 11.1 | 15.1 | 19.0 | 16.8 | 12.5 | 10.4 | 4.7 | -0.2 |
| 27. | -0.2 | 0.4 | 0.2 | 8.2 | 10.4 | 14.9 | 17.9 | 17.2 | 12.0 | 10.0 | 4.7 | -0.3 |
| 28. | -0.2 | 0.4 | 0.2 | 5.1 | 10.3 | 12.6 | 17.4 | 15.6 | 12.6 | 10.3 | 3.8 | -0.2 |
| 29. | -0.1 | | 0.1 | 5.7 | 10.8 | 14.7 | 17.6 | 15.6 | 12.0 | 10.1 | 3.2 | -0.2 |
| 30. | 0.0 | | 0.1 | 5.9 | 11.9 | 15.6 | 18.5 | 16.2 | 14.0 | 10.0 | 4.0 | -0.1 |
| 31. | -0.1 | | 0.0 | | 14.7 | | 18.6 | 16.3 | | 9.1 | | -0.1 |
| M 8 ^h | - | - | - | - | 7.32 | 16.53 | 16.84 | 16.40 | 12.05 | 10.13 | 5.57 | - |
| 14 ^h | -0.07 | 0.09 | 0.32 | 2.84 | 8.54 | 17.45 | 18.14 | 17.55 | 13.29 | 11.05 | 5.86 | 0.96 |
| 20 ^h | - | - | - | - | 7.96 | 16.88 | 17.63 | 16.95 | 12.55 | 10.39 | 5.50 | - |
| Salinity, 14 ^h | | | | | | | | | | | | |
| 1. | 4.94 | 4.70 | 0.43 | 5.17 | 5.46 | 4.85 | 5.28 | 5.03 | 4.92 | 4.72 | 4.27 | 4.63 |
| 6. | 4.85 | 5.26 | 0.81 | 5.57 | 5.45 | 4.60 | 5.30 | 4.85 | 4.94 | 4.67 | 4.49 | 4.58 |
| 11. | 4.89 | 5.43 | 1.44 | 5.52 | 5.34 | 4.60 | 5.35 | 4.89 | 4.85 | 4.63 | 4.47 | 4.58 |
| 16. | 4.89 | 5.30 | 5.26 | 5.39 | 4.99 | 4.60 | 4.76 | 4.89 | 4.87 | 4.74 | 4.22 | 4.63 |
| 21. | 5.10 | 0.14 | 5.43 | 5.54 | 4.60 | 4.87 | 4.65 | 4.81 | 4.80 | 4.72 | 4.52 | 4.60 |
| 26. | 5.17 | 1.08 | 5.59 | 5.46 | 4.61 | 5.12 | 4.85 | 4.92 | 4.80 | 4.38 | 4.49 | 5.14 |
| M 14 ^h | 4.97 | 3.65 | 3.16 | 5.44 | 5.08 | 4.77 | 5.03 | 4.90 | 4.86 | 4.64 | 4.41 | 4.69 |

OBSERVATIONS IN THE DEPTH AT Tammiö / Stamö
60°24'00"N, 27°26'00"E

| m | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo | t° S°/oo |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| | 1961 | | | | | | | | | |
| | Jan. 1 | Jan. 11 | Jan. 22 | Feb. 1 | Feb. 11 | Feb. 22 | Mar. 11 | Mar. 21 | Apr. 3 | |
| 0 | 0.2 4.90 | 0.1 4.98 | -0.2 5.07 | -0.1 5.43 | -0.2 5.46 | 0.0 5.52 | 0.4 5.55 | 0.1 5.64 | 0.4 5.70 | |
| 5 | 0.3 4.94 | 0.1 4.98 | -0.2 5.07 | 0.5 5.75 | 0.0 5.66 | 0.0 5.59 | 0.3 5.57 | 0.0 5.64 | 0.5 5.66 | |
| 10 | 0.3 4.98 | 0.2 4.98 | -0.2 5.08 | 0.7 5.93 | 0.0 5.68 | 0.0 5.64 | 0.3 5.59 | 0.0 5.64 | 0.3 5.68 | |
| 15 | 0.4 5.01 | 0.2 4.98 | 0.0 5.10 | 1.0 6.09 | 0.0 5.72 | 0.0 5.68 | 0.2 5.61 | 0.0 5.66 | 0.3 5.66 | |
| 20 | 0.7 5.25 | 0.4 4.99 | 0.5 5.59 | 1.3 6.22 | 0.1 5.77 | 0.0 5.68 | 0.2 5.81 | 0.0 5.66 | 0.2 5.68 | |
| | Apr. 11 | Apr. 21 | May 1 | May 11 | May 21 | Jun. 1 | Jun. 11 | Jun. 21 | Jul. 1 | |
| 0 | 1.0 5.57 | 1.8 5.52 | 3.4 5.39 | 5.4 5.23 | 7.2 4.45 | 14.0 4.78 | 19.1 4.49 | 16.4 4.80 | 13.1 5.23 | |
| 5 | 0.7 5.57 | 2.0 5.50 | 3.0 5.43 | 5.1 5.25 | 7.0 5.52 | 10.8 4.85 | 18.0 4.60 | 15.3 4.87 | 12.0 5.23 | |
| 10 | 0.7 5.61 | 1.7 5.50 | 3.0 5.45 | 4.2 5.37 | 7.0 4.52 | 7.2 4.92 | 8.5 4.92 | 5.2 5.91 | 9.0 5.63 | |
| 15 | 0.5 5.64 | 1.5 5.55 | 3.0 5.45 | 3.8 5.41 | 3.0 4.45 | 7.0 5.03 | 4.5 5.55 | 3.2 6.13 | 7.5 5.77 | |
| 20 | 0.5 5.64 | 2.1 5.55 | 2.0 5.54 | 3.2 5.48 | 3.0 5.55 | 5.6 5.14 | 3.0 5.95 | 3.0 6.28 | 5.7 5.82 | |
| | Jul. 21 | Aug. 1 | Aug. 11 | Aug. 22 | Sep. 1 | Sep. 11 | Sep. 21 | Oct. 1 | Oct. 11 | |
| 0 | 19.6 4.69 | 17.6 4.89 | 17.9 4.92 | 16.1 4.85 | 15.9 4.90 | 13.2 4.85 | 12.2 4.80 | 12.7 4.72 | 12.0 4.67 | |
| 5 | 16.0 4.85 | 17.4 4.90 | 17.7 4.94 | 16.0 4.85 | 15.6 4.90 | 13.0 4.85 | 12.3 4.80 | 12.5 4.72 | 11.7 4.69 | |
| 10 | 14.5 5.03 | 16.3 4.99 | 17.5 4.92 | 15.3 4.92 | 14.8 4.92 | 12.5 4.85 | 12.0 4.87 | 12.2 4.72 | 11.7 4.69 | |
| 15 | 13.7 5.25 | 16.0 5.01 | 15.0 5.05 | 11.5 5.25 | 14.0 4.99 | 11.0 5.34 | 11.3 5.01 | 12.0 4.72 | 11.5 4.69 | |
| 20 | 12.0 5.35 | 13.5 5.14 | 13.2 5.17 | 11.0 5.52 | 11.7 5.21 | 11.0 5.35 | 10.7 5.21 | 11.8 4.74 | 11.0 4.69 | |
| | Oct. 21 | Nov. 1 | Nov. 14 | Nov. 21 | Dec. 1 | Dec. 11 | Dec. 30 | | | |
| 0 | 10.9 4.63 | 9.8 4.29 | 6.3 4.15 | 9.8 4.49 | 5.0 4.69 | 3.2 4.60 | 0.1 5.01 | | | |
| 5 | 11.0 4.63 | 10.0 4.31 | 7.3 4.15 | 10.0 4.49 | 5.0 4.69 | 3.5 4.60 | 0.2 5.01 | | | |
| 10 | 11.0 4.63 | 10.0 4.31 | 7.5 4.31 | 10.0 4.49 | 5.0 4.69 | 3.7 4.60 | 0.3 5.03 | | | |
| 15 | 11.0 4.63 | 10.0 4.31 | 7.9 4.31 | 10.0 4.52 | 5.0 4.69 | 4.5 4.74 | 0.4 5.03 | | | |
| 20 | 11.0 4.63 | 10.0 4.33 | 8.0 4.31 | 10.0 5.30 | 5.2 4.70 | 4.6 4.76 | 0.4 5.03 | | | |

Table II.
Annual Means of the Surface Observations

| Station | Hour | Temperature | Salinity |
|--------------------------------|------|-------------|----------|
| Ulkokalla | 14 | 5.57 | 3.46 |
| Tankar | 14 | 5.75 | 3.46 |
| Valsörarna | 14 | 6.85 | 4.71 |
| Norrskär | 14 | 6.85 | 5.43 |
| Säppi/Säbbskär | 8 | 6.76 | — |
| | 14 | 7.61 | 5.81 |
| Saggö | 8 | 7.39 | 5.90 |
| Märket | 14 | 7.14 | 5.79 |
| Kökar | 14 | 8.11 | 6.64 |
| Uttö | 8 | 7.75 | — |
| | 14 | 8.24 | 6.79 |
| | 20 | 8.03 | — |
| Jungfruskär | 14 | 8.25 | 6.47 |
| Lohm | 14 | 8.23 | 6.41 |
| Bengtskär | 8 | 7.80 | — |
| | 14 | 8.05 | 6.77 |
| Russarö | 8 | 7.69 | — |
| | 14 | 8.26 | 6.56 |
| | 20 | 8.04 | — |
| Tvärminne | 14 | 8.30 | 5.81 |
| Harmaja/Gråhara | 14 | 7.69 | 6.15 |
| Kaivopuisto/Brunnsparken | 9 | 7.72 | 5.46 |
| Tammio/Stamö | 14 | 8.00 | 4.63 |

